M3C SRL
Sede legale: Via dei Reggio 15/9 16155 Genova
Unità operativa: Via G. G. Longo 25R 16155 Genova
Tel: 010 8567337 Cell: 338 1393573 Email: info@m3csrl.it
P.IVA/C.F.: 02436250993 - Cap. Soc. 10.000 i.v. REA: GE-486210

RELAZIONE TECNICA

ECO IMPIANTI CRV S.R.L.
Via L. Guerra, snc
ASTI (AT)

RELAZIONE SAMENESS
Art. 2.7d – Reg. UE 1906/2007
MATERIALE RECUPERATO

"ANIDRITE"

Indice

M3C SRL
Sede legale: Via dei Reggio 15/9 16155 Genova
Unità operativa: Via G. G. Longo 25R 16155 Genova
Tel: 010 8567337 Cell: 338 1393573 Email: info@m3csrl.it
P.IVA/C.F.: 02436250993 - Cap. Soc. 10.000 i.v. REA: GE-486210

1. PREMESSA

La ditta Eco Impianti CRV s.r.l. effettua attività di recupero rifiuti (Art. 208 D.Lgs. 152706 e ss.mm.ii.) nell'unità produttiva di Via Learco Guerra, SNC in Asti (AT) ed è autorizzata dalla Provincia di Asti con Autorizzazione Unica Ambientale D.D. 1686/2015 e ss.mm.ii. della Provincia di Asti.

L'attività consiste nell'esecuzione di operazioni di riduzione volumetrica per frantumazione e vagliatura.

In questo contesto i prodotti recuperati, indipendentemente dalla loro forma fisica, sono da considerarsi ai sensi del Regolamento Reach UE 1907/2006, come materia recuperata da rifiuti e quindi potenzialmente esente dagli obblighi di cui al regolamento stesso, come indicato al punto 7, lettera d) dell'art. 2, che recita "Sono esentate dagli obblighi di cui ai titoli II, V e VI […] le sostanze che in quanto tali o in quanto componenti di preparati o contenute in articoli, registrate a norma del titolo II, recuperate nella Comunità se: i) la sostanza risultante dal processo di recupero è la stessa sostanza registrata a norma del titolo II; e ii) le informazioni prescritte dagli articoli 31 o 32 in merito alla sostanza registrata a norma del titolo II sono disponibili nello stabilimento che effettua il recupero".

Il prodotto ANIDRITE è classificato non pericoloso ai sensi del Regolamento UE 1272/2008 e ss.mm.ii. ed è composto esclusivamente da minerale Anidrite (solfato di Calcio) e Gesso (solfato di calcio diidrato) di origine naturale derivato da scavi di gallerie. In stabilimento è presente una scheda dati di sicurezza come previsto dall'articolo 31 da fornire dagli utilizzatori a valle, e sono inoltre presenti in stabilimenti le informazioni previste dagli articoli 31 e 32 per le costituenti il prodotto.

La presente relazione è redatta per rispondere alla valutazione della eguaglianza (sameness) tra il prodotto recuperato e il prodotto somigliante già registrato ai sensi del titolo II del Regolamento UE 1907/2006.

M3C SRL
Sede legale: Via dei Reggio 15/9 16155 Genova
Unità operativa: Via G. G. Longo 25R 16155 Genova
Tel: 010 8567337 Cell: 338 1393573 Email: info@m3csrl.it
P.IVA/C.F.: 02436250993 - Cap. Soc. 10.000 i.v. REA: GE-486210

2. DESCRIZIONE DELLA MISCELA E SUA CARATTERIZZAZIONE CHIMICA

Il prodotto ANIDRITE è costituito di materiale anidrite recuperato da rifiuti e in particolare dal codice EER 17.05.04, attraverso attività di cernita, lavorazione meccanica, omogeneizzazione, asciugatura.
Il prodotto ANIDRITE è inorganico ed è composto da:

- Anidrite ($CaSO_4$) componente 60 %
- Gesso (CaSO4*2H2O) componente 40 %

Il prodotto si può ricondurre a minerale naturale, costituito da solfato di calcio anidro a circa il 60% e solfato di calcio diidrato per circa il 40% (entrambi EC 231-900-3), esso deriva nello specifico da cantieri di scavo in cui si sia riscontrata la presenza esclusiva di questo minerale.
Il materiale minerale di origine naturale non è soggetto a registrazione, ai sensi del Reg. Reach UE 1907/2006 art. 2 c. 7 lettera b), e pertanto la valutazione della sameness è svolta sia per associazione del materiale recuperato con le forme minerali anidrite e gesso, considerando che la provenienza è nota e geologicamente certificata e le analisi eseguite sul prodotto né hanno confermato la qualifica; sia per verifica delle forme registrate della materia idrata e anidra.

Le analisi eseguite sul rifiuto in ingresso mostrano la sostanziale assenza (< 0,1%) di metalli pesanti, idrocarburi, solventi e altri inquinanti riconducibili al ciclo di produzione dei rifiuti (RdP 220529077 di AsChem s.r.l.), mentre confermano la composizione a base gesso superiore al 95% della massa complessiva (RdP 220629328 di AsChem s.r.l.).
La verifica della composizione della sostanza è effettuata attraverso periodiche analisi composizionali dalle quali si evince che il prodotto è ad alto tenore di solfati (> 50%), con contenuto in solfato di calcio superiore al 80% (Ad Es: RP 220629328 di AsChem s.r.l.).
Si è in presenza di un minerale derivato da escavazioni, non soggetto a registrazione.

3. STATO REGISTRAZIONE SOSTANZE CONTENUTE IN MISCELA

Le sostanze ricercate nei database ECHA ai fini della verifica della Sameness sono di seguito elencate assieme agli opportuni riferimenti, sebbene si sia in presenza di una sostanza minerale naturale:

Sostanza	Numero di registrazione	Impurezze	Sameness
Calcio Solfato Diidrato Calcio Solfato Diidrato di sintesi Gesso	01-2119444918-26-XXXX	Naturally occuring substances (es: calcium carbonate)	Si
Anidrite	01-2119444918-26-XXXX	Naturally occuring substances (es: calcium carbonate)	Si

La sostanza, come riferito nel dossier di registrazione della sostanza Calcio Solfato Diidrato o anidro, indica che non siamo in presenza di un SVHC e che non vi sono SVHC come impurezze in misura superiore allo 0,1%. Essendo la sostanza inorganica non si rileva l'applicabilità di effetti PBT e vPvB.
La sostanza registrata non è soggetta a restrizioni di cui all'allegato XVII del Reg. Reach 1907/2006.
La sostanza registrata non è ricompresa nell'elenco di sostanze che richiedono l'autorizzazione per l'utilizzo e la commercializzazione (Allegato XIV del Reg. Reach 1907/2006).
Il End of waste ottenuto dal rifiuto inoltre è di natura minerale, quindi legalmente non soggetto a registrazione Reach non subendo alcuna variazione chimica della struttura (All.V Reg. 1907/2006 e ss.mm.ii.).

4. GIUDIZIO SUL PRODOTTO DA RECUPERO

Il prodotto da recupero ottenuto dalle attività della ECOIMPIANTI CRV S.r.l. è costituito delle sostanze di cui alla tabella 3.1, che risultano non soggette a registrazione e in ogni caso quando di sintesi, registrate.
Considerato che:

1. la Società ha adempiuto alla classificazione della sostanza ai sensi del regolamento UE 1272/2008 e s.m.i. e alla redazione di una scheda dati di sicurezza, come previsto dall'art. 31 del Regolamento UE 1907/2006 e s.m.i.;

M3C SRL
Sede legale: Via dei Reggio 15/9 16155 Genova
Unità operativa: Via G. G. Longo 25R 16155 Genova
Tel: 010 8567337 Cell: 338 1393573 Email: info@m3csrl.it
P.IVA/C.F.: 02436250993 - Cap. Soc. 10.000 i.v. REA: GE-486210

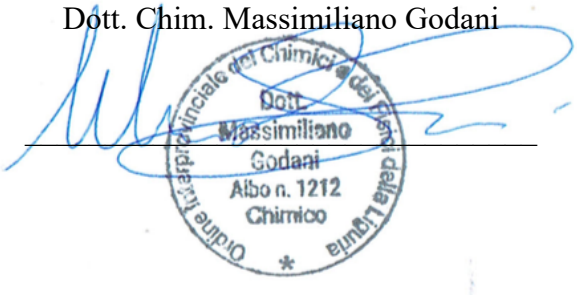
2. la sostanza risulta non registrabile o già registrata ed è dimostrabile la sameness con la sostanza recuperata ai sensi del Regolamento UE 1907/2006 e s.m.i.;
3. la Società ha conservate in azienda le informazioni di cui agli articoli 31 o 32 del Regolamento UE 1907/2006 e s.m.i. per la sostanza;

si considera applicabile l'esenzione da registrazione, ai sensi dell'art. 2, c. 7 lettera d del Regolamento UE 1907/2006 e s.m.i. per il prodotto ANIDRITE.

5. ALLEGATI

1. Analisi chimiche del rifiuto in ingresso al trattamento del rifiuto
2. Brief Profile di registrazione sostanza "calcio solfato diidrato"

Dott. Chim. Massimiliano Godani

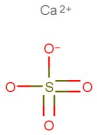


Calcium sulfate

Brief Profile - Last updated: 23/07/2021

Substance Description

Substance identity



EC / List name:

IUPAC name: calcium sulfate

Substance names and other identifiers

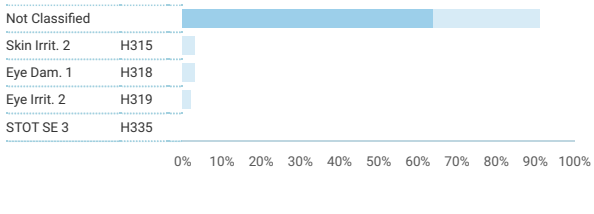
EC / List no.:	231-900-3
CAS no.:	7778-18-9
Index number:	
Molecular formula:	Ca.H2O4S
SMILES:	[Ca++].[O-]S([O-])(=O)=O
InChI:	InChI=1S/Ca.H2O4S/c;1-5(2,3)4/h;(H2,1,2,3,4)/q+2;/p-2
Type of substance:	Mono constituent substance
Origin:	Inorganic
Registered compositions:	170
Of which contain:	3 impurities relevant for classification
	0 additives relevant for classification
Substance Listed:	EINECS (European INventory of Existing Commercial chemical Substances) List

Hazard classification & labelling

According to the notifications provided by companies to ECHA in REACH registrations no hazards have been classified.

According to the majority of notifications provided by companies to ECHA in CLP notifications no hazards have been classified.

Breakdown of all 1912 C&L notifications submitted to ECHA



Properties of concern

Regulatory context

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

Registration

Pre-registration: Substance pre-registered under REACH.

Registration: This substance has 309 active registrations under REACH, 1 Joint Submission(s) and 0 Individual Submission(s).

Evaluation

Dossier Evaluation:

Substance Evaluation:

Authorisation

Candidate List:

Annex XIV (Authorisation List):

Restriction

Annex XVII (Restriction List):

Persistent Organic Pollutants Regulation (POPs)

List of substances subject to the POPs Regulation:

List of substances proposed as POPs:

Classification Labelling & Packaging (CLP)

Harmonised C&L:

Seveso Annex I:

Notified C&L: Classification & Labelling has been notified by industry to ECHA for this substance.

Biocidal Products Regulation (BPR)

Active Substance:

Biocidal Products:

Prior Informed Consent (PIC)

Annex I:

Annex V:

European Union Observatory for Nanomaterials (EUON)

EUON:

About this substance

General

This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, at ≥ 10 000 000 tonnes per annum.

This substance is used by consumers, in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.

Consumer Uses

This substance is used in the following products: fertilisers, fillers, putties, plasters, modelling clay, coating products, finger paints, laboratory chemicals, adsorbents, cosmetics and personal care products, paper chemicals and dyes, welding & soldering products, adhesives and sealants, plant protection products, pH regulators and water treatment products, extraction agents, air care products, inks and toners, washing & cleaning products, water treatment chemicals, anti-freeze products, metals, biocides (e.g. disinfectants, pest control products), explosives, fuels, metal surface treatment products, non-metal-surface treatment products, heat transfer fluids, hydraulic fluids, leather treatment products, lubricants and greases, metal working fluids, perfumes and fragrances, photo-chemicals, polishes and waxes, polymers, semiconductors, textile treatment products and dyes, water softeners and pharmaceuticals. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

Release to the environment of this substance can occur from industrial use: manufacturing of the substance, formulation of mixtures, formulation in materials, in the production of articles, as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, for thermoplastic manufacture, as processing aid, of substances in closed systems with minimal release, industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal), industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting) and in processing aids at industrial sites. Other release to the environment of this substance is likely to occur from: outdoor use, indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters), outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids), outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment) and indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints).

Article service life

This substance is used in the following activities or processes at workplace: the low energy manipulation of substances bound in materials or articles, open transfer and processing with minerals/metals at elevated temperature, production of mixtures or articles by tabletting, compression, extrusion or pelletisation, high energy work-up of substances bound in materials or articles (e.g. hot rolling/forming, grinding, mechanical cutting, drilling or sanding), potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens), hot work operations with metals (e.g. welding, soldering, gouging, brazing, flame cutting), hand mixing with intimate contact only with personal protective equipment available, handling of solid inorganic substances (e.g. ores and raw metal oxides, packaging/mixing/blending and weighing of metal powders), industrial spraying, closed, continuous processes with occasional controlled exposure, closed batch processing in synthesis or formulation, mixing in open batch processes, transfer of chemicals at non-dedicated facilities and transfer of substance into small containers.

Release to the environment of this substance can occur from industrial use: industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal), industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting), formulation of mixtures, in the production of articles, manufacturing of the substance, formulation in materials, as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, for thermoplastic manufacture, as processing aid, of substances in closed systems with minimal release, in processing aids at industrial sites and of articles where the substances are not intended to be released and where the conditions of use do not promote release. Other release to the environment of this substance is likely to occur from: outdoor use, indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment), outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)), indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints), indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters) and outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids).

This substance can be found in complex articles, with no release intended: vehicles, machinery, mechanical appliances and electrical/electronic products (e.g. computers, cameras, lamps, refrigerators, washing machines) and electrical batteries and accumulators. This substance can be found in products with material based on: stone, plaster, cement, glass or ceramic (e.g. dishes, pots/pans, food storage containers, construction and isolation material), paper (e.g. tissues, feminine hygiene products, nappies, books, magazines, wallpaper), rubber (e.g. tyres, shoes, toys), leather (e.g. gloves, shoes, purses, furniture), metal (e.g. cutlery, pots, toys, jewellery), wood (e.g. floors, furniture, toys), plastic (e.g. food packaging and storage, toys, mobile phones), fabrics, textiles and apparel (e.g. clothing, mattress, curtains or carpets, textile toys), stone, plaster, cement, glass and ceramic used for large surface area articles (e.g. construction and building materials for floor coverings, isolation articles), stone, plaster, cement, glass and ceramic used for furniture & furnishings, stone, plaster, cement, glass and ceramic used for articles with intense direct dermal contact during normal use (e.g. jewellery) and paper used for large surface area articles (e.g. construction and building materials for insulation panels, wall papers). This substance is intended to be released from scented: clothes, eraser, paper products, CDs and toys. This substance is intended to be released from: packaging material for metal parts (releasing grease/corrosion inhibitors).

Widespread uses by professional workers

This substance is used in the following products: fertilisers, fillers, putties, plasters, modelling clay, adsorbents, adhesives and sealants, coating products, laboratory chemicals, cosmetics and personal care products, welding & soldering products, pH regulators and water treatment products, plant protection products, paper chemicals and dyes, water treatment chemicals, non-metal-surface treatment products, inks and toners, polymers, washing & cleaning products, air care products, metals, biocides (e.g. disinfectants, pest control products), explosives, fuels, metal surface treatment products, heat transfer fluids, hydraulic fluids, leather treatment products, lubricants and greases, metal working fluids, perfumes and fragrances, pharmaceuticals, photo-chemicals, polishes and waxes, semiconductors, textile treatment products and dyes, water softeners, extraction agents, finger paints and anti-freeze products. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following areas: agriculture, forestry and fishing, mining, building & construction work, formulation of mixtures and/or re-packaging, health services, municipal supply (e.g. electricity, steam, gas, water) and sewage treatment, scientific research and development and printing and recorded media reproduction. This substance is used for the manufacture of: chemicals, mineral products (e.g. plasters, cement), pulp, paper and paper products, wood and wood products, food products, plastic products, machinery and vehicles, textile, leather or fur, rubber products, electrical, electronic and optical equipment, furniture, fabricated metal products and metals.

This substance is used in the following activities or processes at workplace: transfer of chemicals, mixing in open batch processes, closed, continuous processes with occasional controlled exposure, handling of solid inorganic substances (e.g. ores and raw metal oxides, packaging/mixing/blending and weighing of metal powders), transfer of substance into small containers, hand mixing with intimate contact only with personal protective equipment available, roller or brushing applications, laboratory work, batch processing in synthesis or formulation with opportunity for exposure, the low energy manipulation of substances bound in materials or articles, closed batch processing in synthesis or formulation, non-industrial spraying, open transfer and processing with minerals/metals at elevated temperature, treatment of articles by dipping and pouring, closed processes with no likelihood of exposure, industrial spraying, production of mixtures or articles by tabletting, compression, extrusion or pelletisation, in materials as fuel sources, with limited exposure to unburned product to be expected, lubrication at high energy conditions and in partly open process, greasing at high energy conditions, hot work operations with metals (e.g. welding, soldering, gouging, brazing, flame cutting), high energy work-up of substances bound in materials or articles (e.g. hot rolling/forming, grinding, mechanical cutting, drilling or sanding), blowing agents in manufacture of foam, calendering operations, heat / pressure transfer fluids in closed systems, potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens), production of metal powders (hot processes), production of metal powders (wet processes) and manual maintenance (cleaning and repair) of machinery.

Release to the environment of this substance can occur from industrial use: formulation of mixtures, in the production of articles, industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal), industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting), formulation in materials, manufacturing of the substance, in processing aids at industrial sites, as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, for thermoplastic manufacture, as processing aid and of substances in closed systems with minimal release. Other release to the environment of this substance is likely to occur from: outdoor use, indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters), outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids), outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment), indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints) and outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)).

Formulation or re-packing

This substance is used in the following products: fertilisers, fillers, putties, plasters, modelling clay, adhesives and sealants, coating products, adsorbents, water treatment chemicals, welding & soldering products, laboratory chemicals, pH regulators and water treatment products, paper chemicals and dyes, cosmetics and personal care products, extraction agents, leather treatment products, textile treatment products and dyes, washing & cleaning products, air care products, metals, biocides (e.g. disinfectants, pest control products), explosives, fuels, metal surface treatment products, non-metal-surface treatment products, heat transfer fluids, hydraulic fluids, inks and toners, lubricants and greases, metal working fluids, plant protection products, perfumes and fragrances, pharmaceuticals, photo-chemicals, polishes and waxes, polymers, semiconductors, water softeners, finger paints and anti-freeze products. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following activities or processes at workplace: transfer of chemicals, mixing in open batch processes, the low energy manipulation of substances bound in materials or articles, handling of solid inorganic substances (e.g. ores and raw metal oxides, packaging/mixing/blending and weighing of metal powders), laboratory work, closed batch processing in synthesis or formulation, roller or brushing applications, transfer of substance into small containers, closed processes with no likelihood of exposure, closed, continuous processes with occasional controlled exposure, batch processing in synthesis or formulation with opportunity for exposure, hand mixing with intimate contact only with personal protective equipment available, industrial spraying, open transfer and processing with minerals/metals at elevated temperature, production of mixtures or articles by tabletting, compression, extrusion or pelletisation, non-industrial spraying, high energy work-up of substances bound in materials or articles (e.g. hot rolling/forming, grinding, mechanical cutting, drilling or sanding), treatment of articles by dipping and pouring, potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens), hot work operations with metals (e.g. welding, soldering, gouging, brazing, flame cutting), in materials as fuel sources, with limited exposure to unburned product to be expected, lubrication at high energy conditions and in partly open process, greasing at high energy conditions, production of metal powders (hot processes), production of metal powders (wet processes), blowing agents in manufacture of foam, heat / pressure transfer fluids in closed systems, calendering operations and manual maintenance (cleaning and repair) of machinery.

Release to the environment of this substance can occur from industrial use: formulation of mixtures, formulation in materials, as an intermediate step in further manufacturing of another substance (use of intermediates), manufacturing of the substance, in processing aids at industrial sites, in the production of articles, as processing aid, for thermoplastic manufacture, as processing aid, of substances in closed systems with minimal release, industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal) and industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting). Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), outdoor use, outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment), outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)), indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints), indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters) and outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids).

Uses at industrial sites

This substance is used in the following products: adsorbents, adhesives and sealants, pH regulators and water treatment products, fertilisers, fillers, putties, plasters, modelling clay, coating products, water treatment chemicals, welding & soldering products, paper chemicals and dyes, laboratory chemicals, non-metal-surface treatment products, leather treatment products, polymers, textile treatment products and dyes, washing & cleaning products, cosmetics and personal care products, air care products, metals, biocides (e.g. disinfectants, pest control products), explosives, fuels, metal surface treatment products, heat transfer fluids, hydraulic fluids, inks and toners, lubricants and greases, metal working fluids, plant protection products, perfumes and fragrances, pharmaceuticals, photo-chemicals, polishes and waxes, semiconductors, water softeners, extraction agents, finger paints and anti-freeze products. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following areas: mining, formulation of mixtures and/or re-packaging, building & construction work, agriculture, forestry and fishing, printing and recorded media reproduction, health services, municipal supply (e.g. electricity, steam, gas, water) and sewage treatment and scientific research and development. This substance is used for the manufacture of: chemicals, mineral products (e.g. plasters, cement), pulp, paper and paper products, food products, wood and wood products, rubber products, plastic products, machinery and vehicles, metals, textile, leather or fur, fabricated metal products, electrical, electronic and optical equipment and furniture.

This substance is used in the following activities or processes at workplace: transfer of chemicals, closed, continuous processes with occasional controlled exposure, closed processes with no likelihood of exposure, closed batch processing in synthesis or formulation, mixing in open batch processes, batch processing in synthesis or formulation with opportunity for exposure, laboratory work, handling of solid inorganic substances (e.g. ores and raw metal oxides, packaging/mixing/blending and weighing of metal powders), roller or brushing applications, industrial spraying, open transfer and processing with minerals/metals at elevated temperature, the low energy manipulation of substances bound in materials or articles, transfer of substance into small containers, production of mixtures or articles by tabletting, compression, extrusion or pelletisation, potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens), hand mixing with intimate contact only with personal protective equipment available, treatment of articles by dipping and pouring, greasing at high energy conditions, high energy work-up of substances bound in materials or articles (e.g. hot rolling/forming, grinding, mechanical cutting, drilling or sanding), hot work operations with metals (e.g. welding, soldering, gouging, brazing, flame cutting), in materials as fuel sources, with limited exposure to unburned product to be expected, lubrication at high energy conditions and in partly open process, production of metal powders (hot processes), production of metal powders (wet processes), blowing agents in manufacture of foam, non-industrial spraying, heat / pressure transfer fluids in closed systems, calendering operations and manual maintenance (cleaning and repair) of machinery.

Release to the environment of this substance can occur from industrial use: in the production of articles, as an intermediate step in further manufacturing of another substance (use of intermediates), of substances in closed systems with minimal release, in processing aids at industrial sites, formulation of mixtures, as processing aid, as processing aid, for thermoplastic manufacture, manufacturing of the substance, formulation in materials, industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal) and industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting). Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), outdoor use, outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment), outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)), indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints), indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters) and outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids).

Manufacture

This substance is used in the following activities or processes at workplace: transfer of chemicals, closed, continuous processes with occasional controlled exposure, batch processing in synthesis or formulation with opportunity for exposure, closed batch processing in synthesis or formulation, closed processes with no likelihood of exposure, handling of solid inorganic substances (e.g. ores and raw metal oxides, packaging/mixing/blending and weighing of metal powders), laboratory work, open transfer and processing with minerals/metals at elevated temperature, mixing in open batch processes, the low energy manipulation of substances bound in materials or articles, industrial spraying, roller or brushing applications, transfer of substance into small containers, hand mixing with intimate contact only with personal protective equipment available, production of mixtures or articles by tabletting, compression, extrusion or pelletisation, potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens), treatment of articles by dipping and pouring, heat / pressure transfer fluids in closed systems, high energy work-up of substances bound in materials or articles (e.g. hot rolling/forming, grinding, mechanical cutting, drilling or sanding), hot work operations with metals (e.g. welding, soldering, gouging, brazing, flame cutting), production of metal powders (hot processes), in materials as fuel sources, with limited exposure to unburned product to be expected, lubrication at high energy conditions and in partly open process, greasing at high energy conditions, production of metal powders (wet processes), non-industrial spraying, blowing agents in manufacture of foam, calendering operations and manual maintenance (cleaning and repair) of machinery.

Release to the environment of this substance can occur from industrial use: manufacturing of the substance, as an intermediate step in further manufacturing of another substance (use of intermediates), formulation of mixtures, formulation in materials, in processing aids at industrial sites, in the production of articles, as processing aid, for thermoplastic manufacture, as processing aid, of substances in closed systems with minimal release, industrial abrasion processing with low release rate (e.g. cutting of textile, cutting, machining or grinding of metal) and industrial abrasion processing with high release rate (e.g. sanding operations or paint stripping by shot-blasting). Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners), outdoor use, indoor use in close systems with minimal release (e.g. cooling liquids in refrigerators, oil-based electric heaters), outdoor use in close systems with minimal release (e.g. hydraulic liquids in automotive suspension, lubricants in motor oil and break fluids), outdoor use in long-life materials with low release rate (e.g. metal, wooden and plastic construction and building materials), outdoor use in long-life materials with high release rate (e.g. tyres, treated wooden products, treated textile and fabric, brake pads in trucks or cars, sanding of buildings (bridges, facades) or vehicles (ships)), indoor use in long-life materials with low release rate (e.g. flooring, furniture, toys, construction materials, curtains, foot-wear, leather products, paper and cardboard products, electronic equipment) and indoor use in long-life materials with high release rate (e.g. release from fabrics, textiles during washing, removal of indoor paints).

Precautionary Measures and safe use

Precautions for using this substance have been recommended by its registrants under REACH, as follows:

Prevention statements

When handling this substance: avoid release to the environment; wear protective gloves and/or clothing, and eye and/or face protection as specified by manufacturer/supplier.

Response statements

In case of incident: Immediately call a poison center or doctor/physician. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If on skin: wash with soap and water.

Guidance on the safe use of the substance provided by manufacturers and importers of this substance.

Registrants/suppliers

Active

- A2A Energiefuture S.p.A., Corso di Porta Vittoria, 4 20122 Milano Italy
- Aalborg Portland A/S, Rørdalsvej 44 9220 Aalborg Denmark
- Acros Organics bv, Janssen Pharmaceuticalaan 3a B-2440 Geel Belgium
- Afval Energie Bedrijf, Australiehavenweg 21 1045 BA Amsterdam Netherlands
- AGRI.BIO.FERT.CORRETTIVI srl, Via A.A. Rizzo, 197 45010 Villadose Rovigo Italy
- AGROSISTEMI, Via del Capitolo, 54 29122 Piacenza Italy
- Alan srl, Località Ca' Bianca 27030 Zinasco Pavia Italy
- ALBEMARLE CATALYSTS COMPANY B.V., Nieuwendammerkade 1-3 PO Box 37650 1030 BE Amsterdam Netherlands
- Aliphos Rotterdam B.V., Zevenmanshaven Oost 139 3133 CA Vlaardingen Netherlands
- Alkeemia S.p.A., Via Flavio Vegezio, 12 20149 Milano Italy
- ARKEMA FRANCE, 420 rue d'Estienne d'Orves 92700 COLOMBES France
- ATLANTIC COPPER S.L.U., Avenida Francisco Montenegro s/n 21001 Huelva Huelva Spain
- Aurubis Bulgaria, Industrial Zone 2070 Pirdop Bulgaria
- B-Lands Consulting (811253-4), World Trade Center 5 Place Robert Schuman - BP 1516 38025 Grenoble France France
- B-Lands Consulting (811496-1), World Trade Center, 5 Place Robert Schuman, BP 1516 38025 Grenoble France France
- Baikowski, 1046 route de chaumontet -BP501 74330 Poisy France
- Baumit GmbH, Reckenberg 12 87541 Bad Hindelang Germany
- BENS consultnig d.o.o., Bakovniška 7 1241 Kamnik Slovenia
- Berzelius Metall GmbH, Emser Strasse 11 56338 Braubach Germany
- BGB Giovanni Bozzetto, S.A., Pol.Industrial de Lantaron 0123 Salcedo Alava Spain
- Borealis Agrolinz Melamine GmbH, St. Peter-Str. 25 4021 Linz Austria
- BorsodChem MCHZ, Chemická 2039/1 709 00 Ostrava Czech Republic
- Bozzetto Polska Sp. zo.o., Ul. Pawliczka 1 41-800 Zabrze Poland
- Brede Srl, via curti, 887 24059 Urgnano Lombardia Italy
- CAME srl, Via Lepetit 40 20020 Lainate MI Italy
- CASEA GmbH, Pontelstraße 3 99755 Ellrich Germany
- Casimiro Hernández e Hijos, "La Maruxiña" S.A., Avenida de Castilla la Mancha, número 6 45240 Alameda de la Sagra Toledo Spain
- CATALYST RECOVERY EUROPE S.A., 420, Route de Longwy 4832 Rodange Luxembourg
- Caviro Extra SpA con SU, Via Convertite 8 48018 Faenza Ravenna Italy
- Cementa AB, Box 47210 100 74 Stockholm Sweden
- CHEMICAL INSPECTION & REGULATION SERVICE LIMITED (JIANGXI FENGZHU NEW MATEIRALS TECHNOLOGY CO., LTD.), Regus Harcourt Centre D02 HW77 Dublin Ireland
- Chemische Fabrik Budenheim KG, Rheinstrasse 27 55257 Budenheim RLP Germany
- CIECH Soda Polska S.A., Fabryczna 4 88-101 Inowroclaw Województwo Kujawsko-Pomorskie Poland
- Cinkarna Celje, Kidričeva 26 3000 Celje Slovenia
- Clariant Produkte (Deutschland) GmbH, Am Unisys-Park 1 65843 Sulzbach am Taunus Germany
- CM European Power Slovakia, s.r.o., Vlčie hrdlo 1 82412 Bratislava Slovakia
- COMPO Expert GmbH, Krögerweg 10 48155 Münster NRW Germany
- CONSORZIO S.G.S. S.p.A., Via Nuova Francesca, 23 56029 S. Croce sull'Arno (PI) Italy Italy
- ContourGlobal Maritsa East 3 AD, 48 Sitnyakovo Blvd, 9 fl. 1505 Sofia Sofia Bulgaria
- Crystal BOHEMIA, a. s., Jiráskova 223 29001 Poděbrady Czech Republic
- CURRENTA GmbH & Co. OHG, CHEMPARK, Building Q 18 D-51368 Leverkusen Germany
- DEKRA Assurance Services GmbH OR06, Handwerkstr. 15 70565 Stuttgart Germany
- DERIVADOS DEL FLÚOR, S.A.U., Ontón 39706 Castro Urdiales Cantabria Spain
- Devnya Cement AD, Industrial zone 9160 Devnya Bulgaria
- Distillerie Mazzari Spa, Via giardino, 6 48020 S.Agata sul Santerno (RA) Italy
- Dolina Nidy Sp. z o. o., Leszcze 15 28-400 Pińczów Świętokrzyskie Poland
- DSM Nutritional Products GmbH-OR18, Emil-Barell-Str. 3 79639 Grenzach-Wyhlen Germany
- EDF Energia Spółka Akcyjna, Złota 59 00-120 Warszawa Poland
- EDF S.A., 22 avenue de Wagram 75008 Paris France
- EDP ESPAÑA, S.A.U., Plaza del Fresno 2 33007 Oviedo Asturias Spain
- EDP-Gestão da Produção de Energia, S.A., Av. 24 de Julho, 12 1249-300 Lisboa Portugal
- eins energie in sachsen GmbH & Co. KG, Augustusburger Straße 1 09111 Chemnitz Germany
- Elektrarny Opatovice, a.s., Opatovice nad Labem 532 13 Pardubice 2 Czech Republic
- Elektrownia Pątnów II Sp. z o.o., Kazimierska 45 62-510 Konin Poland
- Elektrárna Chvaletice a.s., K Elektrárně 227 55312 Chvaletice Czech Republic
- Elektrárna Dětmarovice, a.s., Dětmarovice 1202 73571 Dětmarovice Czech Republic
- Elektrárna Počerady, a.s., Duhová 2/1444 140 53 Praha 4 Czech Republic
- Elektrárna Tisová, a. s., Brezova 35601 Tisova 2 Czech Republic
- EnBW Energie Baden-Württemberg AG, Durlacher Allee 93 76131 Karlsruhe Germany
- ENDESA GENERACIÓN S.A., Avenida de la Borbolla, 5 41004 Sevilla Spain
- Enea Elektrownia Połaniec S.A., Zawada 26 28-230 Polaniec Swietokrzyskie Poland
- ENEA WYTWARZANIE SP. Z O.O., - 26-900 Świerże Górne mazowieckie Poland
- Enel Produzione SpA, Viale Regina Margherita 125 00198 Rome Italy
- ENERGA Elektrownie Ostrołęka Spółka Akcyjna, Elektryczna 5 07-401 Ostrołęka Poland
- Energotrans a.s., Partyzánská 1/7 170 00 Praha Czech Republic
- ENGIE Energie Nederland N.V., Missouriweg 69 3199 LB Rotterdam Netherlands
- EON-Benelux, Capelseweg 400 3068AX Rotterdam Netherlands
- ESAB CZ, s.r.o., člen koncernu, Smetanovo nábřeží 334 51754 Vamberk Czech Republic
- ESCAYESCOS, S.L, Ctra. Badajoz-Granada, Km 365 23660 Alcaudete Jaén Spain
- ESCAYOLAS MARIN, S.L.U., CTRA. MADRID-VALENCIA, KM 92.400 16420 VILLARRUBIO CUENCA Spain
- ESYEDEBRO S.L., ATALAYA S/N 50786 GELSA ZARAGOZA Spain
- Etex Building Performance GmbH, Scheifenkamp 16 40878 Ratingen Germany
- ETEX BUILDING PERFORMANCE S.A., Vulturilor 98 Etaj 5 RO-030857 Bucharest Sector 3 Romania

- Etex Building Performance S.p.A., Via Giacomo Leopardi 2 20123 MILANO Italy
- Etex France Building Performance, 500 rue Marcel Demonque 84915 AVIGNON France
- EuroChem Antwerpen NV, Haven 725, Scheldelaan 600 2040 Antwerp Belgium
- Evergreen Italia S.r.l., Strada Vicinale della Bellaria s.n 27020 Tromello Italy
- Evonik Operations GmbH, Rellinghauser Straße 1-11 45128 Essen Germany
- ExponentOR73I, Block 1, Blanchardstown Corporate Park Ballycoolen Road Blanchardstown D15 AKK1 Dublin Ireland
- FASSA SRL, VIA LAZZARIS 3 31027 SPRESIANO TV Italy
- Fermacell B.V., Loonse Waard 20 NL 6606 KG Niftrik Netherlands
- Ferroenergy s.r.o., Vstupny Areal U. S. Steel 044 54 Kosice Slovakia
- FIBRAN S.P.A., Via Domenico Fiasella 5/11 16121 Genova Italy
- Fiume Santo S.P.A., località Cabu Aspru 07100 Sassari Italy
- Fluorchemie Dohna GmbH, Werksweg 2 92551 Stulln Sachsen Germany
- Fluorchemie Stulln GmbH, Werksweg 2 92551 Stulln Bayern Germany
- Fluorsid ICIB s.r.l., Via Flavio Vegezio, 12 20149 Milano Italy
- Fluorsid Noralf AS, Eitrheimsneset 1 N-5750 Odda Norway
- Fluorsid SpA, 2° strada Macchiareddu 09032 Assemini (CA) Sardinia Italy
- FMC Foret S.A., Avenida Diagonal 530-532, 3ª planta 08006 Barcelona Spain
- Fortum Power and Heat Oy, P.O.Box 1 FI-00048 FORTUM Finland
- Fosfa a.s., Hraniční 268 69141 Břeclav Czech Republic
- Frisia Zout b.v., NL-8861 Harlingen, Lange Lijnbaan 15 8861 NW Harlingen Netherlands
- Galactic, Place d'Escanaffles 23 7760 Escanaffles Belgium
- Gemeinschaftskraftwerk Bergkamen A OHG, Rüttenscheider Straße 1-3 45128 Essen Germany
- Gemeinschaftskraftwerk Kiel GmbH, Hasselfelde 40 24149 Kiel Germany
- Gemeinschaftskraftwerk Veltheim GmbH, Möllberger Straße 387 32457 Porta Westfalica Germany
- Gessi del Vallone S.r.l., Localita' Vallone I-53031 Casole d'Elsa Italy
- Gessi Roccastrada srl, Località Tamburino snc I - 58036 Roccastrada (Grosseto) Italy
- Giovanni Bozzetto SpA, Via Provinciale, 12 24040 Filago Lombardia Italy
- GIOVANNI RANDI SPA, Via Spallanzani 7 48018 Faenza Emilia Romagna Italy
- Gipswerk Embsen GmbH & Co. Baustoffproduktion KG, Am Alten Werk 1 21409 Embsen Germany
- Gipswerk Schretter & Cie Gesellschaft m. b. H., Bahnhofstrasse 27 6682 Vils Tirol Austria
- Grosskraftwerk Mannheim AG, Marguerrestraße 1 68199 Mannheim Germany
- Grupa Azoty Zaklady Chemiczne "POLICE" Spolka Akcyjna, Kuznicka 1 72-010 Police Poland
- GYPSTREND s.r.o., Stiborska 790 74727 Koberice Czech Republic
- Gyvlon BV, Centralweg16 Postbus 138 NL-4930 AC Geertruidenberg Netherlands
- H&R ChemPharm GmbH, Neuenkirchener Strasse 8 48499 Salzbergen Germany
- H.C. Starck Tungsten GmbH, Landsberger Str. 98 80339 München Germany
- Hamburger Stadtentwässerung Anstalt öffentlichen Rechts, Billhorner Deich 2 20539 Hamburg Germany
- Hasit Trockenmörtel Gmbh, Landshuterstrasse 30 85356 Freising Germany
- Hilliges Gipswerk GmbH & Co.KG, Hüttenweg 1 D-37520 Osterode am Harz Niedersachsen Germany
- HNOS. RUIZ DORANTES S.L., CARRETERA LOS TOLLOS, KM.3 41740 LEBRIJA SEVILLA Spain
- Hofor A/S, Oerestads Boulevard 35 DK 2300 Kbh S Copenhagen Denmark
- HOLCIM (Süddeutschland) GmbH, Dormettinger Strasse 23 72359 Dotternhausen Germany
- Honeywell Specialty Chemicals Seelze GmbH, Wunstorfer Str. 40 30926 Seelze Deutschland Germany
- Hundisburger Baustoffmanufaktur, Inh. Foerderverein Technisches Denkmal Ziegelei Hundisburg e.V., Jacob-Bührer-Str.2 OT Hundisburg 39343 Haldensleben Sachsen-Anhalt Germany
- Huta Cynku Miasteczko Śląskie S.A., Hutnicza 17 42-610 Miasteczko Śląskie Poland
- Industria Chimica Valenzana S.p.A., Via Desman, 428 35010 Borgoricco Italy
- Industrial Solutions Bulgaria Ltd., . " " No 49 , . 1404 Sofia Bulgaria
- IRISH GYPSUM LTD, KINGSCOURT 000000 CO.CAVAN Ireland
- James Hardie Europe GmbH, Bennigsen Platz 1 40474 Düsseldorf Germany
- Jungbunzlauer Austria AG, Factory Pernhofen 2064 Wulzeshofen Austria
- KandCo, Route d'Avignon Quartier du grand Grès - BP20101 84303 CAVAILLON Cedex France
- Kandelium Barium Strontium GmbH & Co.KG, HANS-BOECKLER-ALLEE 20 30173 HANNOVER Germany
- KCM S.A., Assenovgradsko shosse 4009 Plovdiv Bulgaria
- KiK Textilien und Non-Food GmbH, Siemensstrasse 21 59199 Boenen Germany
- Knauf (UK) GmbH, Am Bahnhof 7 97346 Iphofen Germany
- Knauf A/S, Antoinettevej 3 2500 Valby Denmark
- Knauf B.V. Niederlande, Mesonweg 8-12 3542 AL Utrecht Netherlands
- Knauf Bełchatów Sp. z o.o., ul. Gipsowa 3 97427 Rogowiec Gmina Kleszczów Poland
- Knauf Bulgaria EOOD Sofia, Angelov-Vrach-Strasse 27 1618 Sofia Bulgaria
- Knauf Danogips GmbH Schweden Filial, - 29680 Åhus Sweden
- Knauf Deutsche Gipswerke KG, Am Bahnhof 7 97346 Iphofen Germany
- Knauf di Knauf S.R.L. S.A.S., VIA LIVORNESE, 20 56040 Castellina Marittima Pisa Italy
- Knauf Gips KG, Am Bahnhof 7 97346 Iphofen Germany
- Knauf GmbH Sucursal en España, Avda. Manoteras 10, Edeficio C 28050 Madrid Spain
- Knauf GmbH Weissenbach, Knaufstrasse 1 8940 Weissenbach / Liezen Austria
- KNAUF GYPSOPIIA A.B.E.E., Evripidou, 10 17674 Kallithea/Athen Greece
- Knauf Integral KG, Am Bahnhof 16 74589 Satteldorf Germany
- Knauf Jaworzno III Sp. z o.o., ul. Promienna 51 43603 Jaworzno Schlesien Poland
- Knauf Oy, Lars Sonckin kaari 14, PL 18 02601 Espoo Finland
- Knauf Plâtres et Cie. SCS, zone industrielle du souvoy saint soupplet 77234 domartin en goele cedex France
- Knauf Praha spol. s. r. o., Mladoboleslavska 949 19700 Praha 9 - Kbely Praha Czech Republic
- Knauf SIA, Daugavasstrasse 4 2118 Riga Gemeinde Stopini, Bezirk Riga Latvia
- KNG Kraftwerks- und Netzgesellschaft mbH, Am Kuehlturm 1 18147 Rostock Germany
- Knoell NL-OR-S35, Agro Business Park 75 6708 PV Wageningen Netherlands
- Knoell NL_OR_063, Agro Business Park 75 6708 PV Wageningen Netherlands
- Kraftwerk Mehrum GmbH, Triftstrasse 25 31249 Hohenhameln Germany
- Kraftwerk Voerde OHG der STEAG GmbH und RWE Power AG, Rüttenscheider Straße 1 - 3 45128 Essen North Rhine-Westfalia Germany
- KRONOS EUROPE S.A./N.V., Langerbruggekaai 10 9000 Gent Belgium
- KTR Europe GmbH, Mergenthalerallee 77 65760 Eschborn Germany
- Lafarge Cement, Kolodvorska 5 1420 Trbovlje Slovenia
- Lafarge Zementwerke GmbH, Trabrennstraße 2A 1020 Vienna Austria
- lages spa lavorazione gessi speciali, via molino 26 25055 Pisogne Italy
- Lanxess Deutschland GmbH, Kennedyplatz 1 50569 Köln Germany
- Lausitz Energie Kraftwerke AG, Vom-Stein-Straße 39 03050 Cottbus Germany
- Lenzing AG, Werkstraße 4860 Lenzing Austria
- Lifosa, Juodkiskio 50 LT-57502 Kedainiai Lithuania
- Lifosa-5, Juodkiskio 50 LT-57502 Kedainiai Lithuania
- Lifosa-6, Juodkiskio 50 LT-57502 Kedainiai Lithuania
- LUVENA S.A., Romana Maya 1 62-030 Luboń Wielkopolskie Poland
- Mark-E Aktiengesellschaft, Körnerstr. 40 58095 Hagen Germany
- Master Builders Solutions Italia S.P.A., Via Vicinale delle Corti 21 attn. EHSQ Department 31100 Treviso (TV) Italy
- maxit Baustoffwerke GmbH, Brandensteiner Weg 1 07387 Krölpa Germany
- Merck KGaA, Frankfurter Strasse 250 64293 Darmstadt Germany
- MIBRAG Mitteldeutsche Braunkohlengesellschaft mbH, Glück-Auf-Straße 1 06711 Zeitz Sachsen-Anhalt Germany
- Minera Alcarreña S.L., Carretera de Fuencemillan a Espinosa de Henares Km. 3,7 Fabrica de escayolas 19239 Fuencemillan Spain
- MINERALS I DERIVATS, S.A., Av. Verdaguer, 3 43720 L'Arboç Tarragona Spain
- Moldan Baustoffe GmbH & Co. KG, Kellau 75 5431 Kuchl Salzburg Austria
- MPI Reciklaza d.o.o., Žerjav 79 2393 Črna na Koroškem Slovenia
- MVB Müllverwertung Borsigstraße GmbH, Borsigstraße 6 22113 Hamburg Germany
- MVR Müllverwertung Rugenberger Damm GmbH & Co. KG, Rugenberger Damm 1 21129 Hamburg Germany
- MVV Umwelt Asset GmbH, Otto-Hahn-Str. 1 68169 Mannheim Germany
- Mátrai Power Plant Closed Company Limited by Shares, Eromu ut 11 3271 Visonta Hungary
- N & B Knauf & Cie S.C.S., parc industriel 4480 liege Belgium
- Nordjyllandsværket A/S, Nefovej 50 9310 Vodskov Denmark
- Norgips Norge AS, PB 655 Strømsø 3003 Drammen Norway
- Nowe Jaworzno Grupa Tauron sp. z o.o., Dobrej Energii 11 43-603 Jaworzno Poland
- Nuon Power Generation B.V., Petroleumhavenweg 1 1041AB Amsterdam Netherlands
- NUTRIEN EUROPE S.A., Avenue Louise 326 (bte36) B - 1050 BRUXELLES Belgium
- Nyrstar Budel BV, Hoofdstraat 1 6024 AA Budel-Dorplein Netherlands
- Oligo SA, Poligono Industrial Nuevo Puerto Calle A s/n 21810 Palos de la Frontera (Huelva) Spain
- ONYX Kraftwerk Farge GmbH & Co. KGaA, Wilhelmshavener Straße 6 28777 Bremen Germany
- ONYX Kraftwerk Wilhelmshaven GmbH & Co. KG, Niedersachsendamm 10 26386 Wilhelmshaven Niedersachsen Germany
- ONYX Kraftwerk Zolling GmbH & Co. KGaA, Leiniger Strasse 1 85406 Zolling Germany
- PCC Rokita SA, Sienkiewicza 4 56-120 Brzeg Dolny Poland
- Petrokemija d.d. Kutina, Aleja Vukovar 4 HR-44320 Kutina Croatia
- PGE Elektrownia Opole S.A., Brzezie k.Opola 46-021 Brzezie k. Opola Poland
- PGE Energia Ciepła S.A., ul. Złota 59 00-120 Warszawa Poland
- PGE Górnictwo i Energetyka Konwencjonalna S.A., Węglowa 5 97-400 Bełchatów Poland
- PGNiG TERMIKA SA, Modlińska 15 03-216 Warszawa Poland

- PHOSINT LIMITED, 21 Vasili Michailidi 3026 Limassol Cyprus
- Piotrowice Sp. z o.o., Piotrowice 106 27-630 Zawichost Poland
- PLACOPLATRE, Tour Saint-Gobain 12 Place de l'Iris 92400 Courbevoie France
- PLADUR GYPSUM, S.A.U., Ctra. Andalucía Km 30.2 28343 Valdemoro (Madrid) Spain
- Plzeňská teplárenská, a.s., Doubravecká 2578/1 304 10 Plzeň Czech Republic
- Polski Koncern Naftowy ORLEN SA, ul. Chemików 7 09-411 Płock Poland
- Portovesme s.r.l., S.P. n. 2 Carbonia-Portoscuso km 16.5 09010 Portoscuso Carbonia-Iglesias Italy
- PRAYON S.A., 144, rue Joseph Wauters 4480 ENGIS Belgium
- Precheza a.s. Přerov, Nábřeží Dr. E. Beneše 24 751 62 Přerov Czech Republic
- Profiltra B.V., Meerpaalweg 4 1332 BB ALMERE Netherlands
- REACH GLOBAL SERVICES S.A., Rond Point Schuman,6 B-1040 Brussels Belgium
- REACH GLOBAL SERVICES S.A., Rond Point Schuman, 6 Box 5 B-1040 Brussels Belgium
- REACH24H CONSULTING GROUP, Paramount Court, Corrig Road, Sandyford Dublin18 Dublin Ireland
- REMONDIS Production GmbH, Brunnenstr. 138 44536 Luenen NRW Germany
- Reno De Medici Arnsberg GmbH, Hellefelder Straße 51 59821 Arnsberg Germany
- RKB Raffinerie-Kraftwerks-Betriebs GmbH, Rüttenscheider Straße 1-3 45128 Essen North Rhine-Westfalia Germany
- Rocal Boxberg GmbH & Co. Anhydritproduktion KG, Im Kraftwerk 02943 Boxberg Germany
- Romonta GmbH, OT Amsdorf, Chausseestr. 1 D-06317 Seegebiet Mansfelder Land Germany
- Rosier Nederland B.V., Westkade 38a 4551 BV Sas van Gent Netherlands
- ROSIER S.A., 11a, Route de Grandmetz 7911 Moustier Hainaut Belgium
- RWE Eemshaven Holding II B.V., Amerweg 1 4931NC Geertruidenberg Netherlands
- RWE Generation NL B.V., Amerweg 1 4931 NC Geertruidenberg Netherlands
- RWE Generation SE, Huyssenallee 2 45128 Essen Germany
- RWE Power AG, Huyssenallee 2 45128 Essen Germany
- S.A. Anhybel N.V., Ambachtenlaan 50 B 3300 Tienen Belgium
- S.A. CITRIQUE BELGE N.V., Pastorijstraat 249 3300 TIENEN Belgium
- SAINT GOBAIN CONSTRUCTION PRODUCTS ROMANIA SRL, 11-15 TIPOGRAFILOR, S-PARK,CORP B3-B4, SECTOR 1 CENTRAL BUSINESS PARK 013714 BUCURESTI Romania
- SAINT-GOBAIN CONSTRUCTION PRODUCTS POLSKA SP Z.O.O., Okrezna 16 44-100 GLIWICE Poland
- SAINT-GOBAIN FORMULA GMBH, KUTZHUETTE 37445 WALKENRIED Germany
- SAINT-GOBAIN HELLAS ABEE, 5 KLISSOURAS PO BOX 52096 144-10 METAMORFOSSI-ATTICA Greece
- Saint-Gobain Placo Iberica, SA (1), 77 PASEO DE LA CASTELLANA 28046 Madrid Spain
- Saint-Gobain Placo Iberica, SA (2), 77 PASEO DE LA CASTELLANA 27046 Madrid Spain
- Saint-Gobain Placo Iberica, SA (3), C/ PRÍNCIPE DE VERGARA 132 28002 MADRID MADRID Spain
- SAINT-GOBAIN PLACO IBÉRICA, S.A., C/ PRÍNCIPE DE VERGARA 132 28002 MADRID MADRID Spain
- Saint-Gobain PPC Italia SpA, VIA Ettore romagnoli, 6 20146 MILAN Italy
- Saint-Gobain Rigips Austria GesmbH, 24 UNTERKAINISCH 8990 BAD AUSSEE Austria
- SAINT-GOBAIN RIGIPS GMBH, 84 SCHANZENSTRASSE 50549 DÜSSELDORF Germany
- Sasol Germany GmbH, Anckelmannsplatz 1 D-20537 Hamburg Germany
- Schunk Carbon Processing GmbH, Rodheimer Straße 59 35452 Heuchelheim Germany
- Shell Deutschland GmbH, Suhrenkamp 71-77, 22335 Hamburg Germany
- SICIT GROUP SPA, VIA ARZIGNANO 80 36072 CHIAMPO (VI) Italy
- SIGMA-ALDRICH CHEMIE GMBH, Riedstrasse 2 89555 Steinheim Germany
- Siniat Sp. z o.o., Przecławska 8 03-879 Warszawa Poland
- Sival - Gessos Especiais, Lda., R. Emídio Oliveira Faria 2425-879 Souto da Carpalhosa - Leiria Portugal
- Slovenské elektrárne a.s., Mlynske Nivy 47 82109 Bratislava Slovakia
- SNET (Société Nationale d'Electricité et de Thermique), 5 rue d'Athenes FR75009 PARIS France
- Sokolovská uhelná, právní nástupce, a. s., Staré náměstí 69 CZ35601 Sokolov Czech Republic
- Solvay Fluor GmbH, Hans-Boeckler-Allee 20 30173 HANNOVER Germany
- SOPAC-SOCIEDADE PRODUTORA DE ADUBOS COMPOSTOS S.A., Herdade das Praias-Sado 2900-901 SETÚBAL Portugal
- Steag GmbH, Rüttenscheider Straße 1 - 3 45128 Essen North Rhine-Westfalia Germany
- STEAG-EVN Walsum 10 Kraftwerksgesellschaft mbH, Rüttenscheider Straße 1-3 45128 Essen Germany
- STEKLARNA ROGAŠKA d.o.o., Ulica talcev 1 3250 Rogaška Slatina Slovenia
- SUPERBETON S.p.A., Zona industriale, 4/int. 33025 Ovaro Italy
- swb Erzeugung AG & Co. KG, Theodor-Heuss-Allee 20 28215 Bremen Germany
- SWM Services GmbH, Emmy-Noether-Str. 2 80287 München Germany
- Sydkraft Thermal Power AB, Flintrännegatan 19 B 211 24 Malmö Sweden
- TAURON WYTWARZANIE SA, Promienna 51 43-603 Jaworzno Poland
- TE Plomin d.o.o., Plomin Luka 50 52234 Plomin Croatia
- TEDi GmbH & Co. KG, Brackeler Hellweg 301-305 44309 Dortmund NRW Germany
- Tejo Energia, S.A., Quinta da Fonte, Edificio D. Maria I, Piso 2, Ala B 2770-229 Paço d'Arcos Portugal
- Termoelektrarna trbovlje d.o.o., Ob zeleznici 27 1420 Trbovlje Slovenia
- Termoelektrarna Šoštanj,d.o.o., Cesta Lole Ribarja 18 33325 Šoštanj Slovenia
- The Acta Group EU BVBA (2BE30), Place du Luxembourg 2 1050 Brussels Belgium
- TIMAC AGRO, 27 Avenue Franklin Roosevelt BP 70158 35408 SAINT-MALO France
- TIMAC AGRO DUNGEMITTELPRODUCTIONS UND HANDELSGMBH, Industriegelände Pischelsdorf 3435 Zwentendorf Austria
- TIMAC AGRO ESPAÑA SA, Pol. Arazuri-Orcoyen Calle C, n°32 31160 Orcoyen Spain
- TIMAC AGRO ITALIA SPA, Strada Montodine Gombito 26010 Ripalta Arpina Cremona Italy
- Tirreno Power, via barberini, 47 00187 Roma Italy
- Treibacher Industrie AG, Auer-von-Welsbach-Straße 1 9330 Althofen Carinthia Austria
- TRG Cyclamin GmbH, Hohendorfer Straße 20 39218 Schönebeck Germany
- Trianel Kohlekraftwerk Lünen GmbH & Co. KG, Frydagstr. 40 44536 Lünen Germany
- Tribotecc GmbH, Industriestrasse 23 A-9601 Arnoldstein Austria
- Tronox France SAS, 95 Rue du General De Gaulle 68800 Thann France
- Turun Seudun Energiantuotanto Oy, Satamatie 16 21100 Naantali Finland
- TÜV SÜD Industrie Service GmbH, Westendstraße 199 80686 München Germany
- Uniper Kraftwerke GmbH, Holzstr. 6 40221 Düsseldorf Germany
- UPL Deutschland, Kölnstr. 107 50321 Brühl Germany Germany
- Uralchem Assist, Johannssenstrasse 10 30159 Hannover Germany
- V. Bentum Recycling Centrale B.V., Vondelingenplaat 17 3196 KL Rotterdam Netherlands
- VALLI SPA, VIA LAVAGNONE 11 25017 LONATO DEL GARDA BS Italy
- Vaskiluodon Voima Oy, Kirkkopuistikko 0 65100 Vaasa Finland
- Vattenfall Heizkraftwerk Moorburg GmbH, Moorburger Schanze 2 21079 Hamburg Germany
- Vattenfall Wärme Berlin AG, Sellerstraße 16 13353 Berlin Germany
- Venator France SAS, 1 Rue des Garennes 62100 Calais France
- Venator Germany GmbH, Dr.- Rudolf-Sachtleben Str. 4 47198 Duisburg Germany
- VENATOR ITALY S.R.L., Localita Casone 1 58020 Scarlino GR Italy
- Venator P&A Finland Oy, Titaanitie 28840 Pori Finland
- Venator P&A Spain S.L., Poligono Industrial Nuevo Puerto Calle A s/n 21810 Palos de la Frontera (Huelva) Spain
- Venator Pigments S.r.l., via G. Reiss Romoli 44/12 10148 Torino Italy
- Venator Uerdingen GmbH, Rheinuferstraße 7–9 47829 Krefeld Germany
- Venator Wasserchemie GmbH, Zeppelinstr. 23 49479 Ibbenbüren Germany
- Vencorex France_1, 196 Allée Alexandre Borodine 69800 Saint Priest France
- VERBUND Thermal Power GmbH & Co KG, Weißeneggweg 1 8410 Wildon Austria
- VG-Orth GmbH & Co. KG, Holeburgweg 24 37627 Stadtoldendorf Germany
- VILLAPANA SPA, Via Pana 238-244 48018 Faenza Emilia Romagna Italy
- Wirbelschichtfeuerungsanlage Elverlingsen GmbH, Auf der Mark 1 58791 Werdohl-Elverlingsen Germany
- WOOLWORTH GmbH, Mönninghoffs Feld 5 59425 Unna NRW Germany
- WTE SRL, Via Panoramica, 38/bis 25132 BRESCIA BS Italy
- Wärme Hamburg GmbH, Andreas-Meyer-Str. 8 22113 Hamburg Germany
- Yara Italia SpA, Via Begnigno Crespi, 57 20159 Milano Italy
- Yara Suomi Oy, Bertel Jumgin aukio 9 FI-02600 Espoo Finland
- YEDESA, Autovía del Mediterraneo, salida 537 04628 ANTAS ALMERIA Spain
- YESOS MANCHA, S.A., CAMINO DE LAS CANTERAS, S/N EL ROMERAL 45770 EL ROMERAL TOLEDO Spain
- Yesos Millan, C/Doctor Salvador Caballero Garcia ,72 Autovia A7 Murcia-Almeria Km 574 30890 Puerto Lumbreras Murcia Spain
- YESOS RUBIO C.B, Avenida Juan de la Cierva S/N 30620 Fortuna (Murcia) Spain
- YESOS TORRIQUE, S.A., CARRETERA TOLEDO-CUENCA, KM.57'400 45350 NOBLEJAS TOLEDO Spain
- Yordas GmbH, Äußere Nürnberger Str. 6 91301 Forchheim Germany
- ZAKŁADY CHEMICZNE "Siarkopol" TARNOBRZEG sp. z o.o., Chemiczna 3 39-400 Tarnobrzeg podkarpackie Poland
- ZANGAS Hoch-und Tiefbau GmbH, Schwindgasse 5/1/4 1040 Vienna Vienna Austria
- ZANGAS Hoch-und Tiefbau GmbH, Schwindgasse 5/1/4 1040 Vienna Austria
- Zebra A/S, Strandgade 71-73 1401 Copenhagen Denmark
- Zespół Elektrociepłowni Wrocławskich KOGENERACJA S.A., Łowiecka 24 50-220 Wrocław Poland
- Zespół Elektrowni Pątnów - Adamów - Konin S.A., Kazimierska 45 62-510 Konin Poland
- ZGH Boleslaw S.A., Kolejowa 37 32-332 Bukowno Poland
- Zschimmer & Schwarz GmbH & Co KG, Max-Schwarz-Str. 3-5 56112 Lahnstein Germany
- Ørsted Bioenergy & Thermal Power A/S, Kraftværksvej 53 Skærbæk 7000 Fredericia Denmark
- ČEZ, a.s., Duhová 2/1444 140 53 Praha 4 Czech Republic

Inactive

- A2A SpA, Lamarmora 230 25124 Brescia Italy
- AB "Ignitis gamyba", Elektrinės g. 21 LT-26108 Elektrenai EU Lithuania
- Casimiro Hernández e Hijos, "La Maruxiña" S.A., Avenida de Castilla la Mancha, número 6 45240 Alameda de la Sagra Toledo Spain
- Chemical Inspection & Regulation Service Limited, Room 002, Regus Harcourt Centre D02 HW77 Dublin Ireland
- Drax Group plc, Drax Power Station YO8 8PH Selby North Yorkshire United Kingdom
- EDF Energy (Cottam Power) Ltd, Cottam Power Station DN22 0EU Retford Nottinghamshire United Kingdom
- EDF Energy (Thermal Generation) Ltd, 90 Whitfield Street W1T 4EZ London United Kingdom
- EGGBOROUGH POWER LTD, EGGBOROUGH POWER STATION EGGBOROUGH DN14 0BS GOOLE EAST YORKSHIRE United Kingdom
- Electrabel S.A., Boulevard Simon Bolivar, 34 ENGIE Tower 1000 Bruxelles Belgium
- Energie AG Oberösterreich Kraftwerke GmbH, Böhmerwaldstraße 3 4021 Linz Austria
- Evonik Power Saar GmbH, Rüttenscheider Straße 1-3 45128 Essen Germany
- IBERDROLA GENERACIÓN TERMICA S.L., Plaza Euskadi 5 48009 Bilbao Spain
- Keadby Generation Limited, Keadby Power Station PO Box 89 DN173AZ Keadby Scunthorpe United Kingdom
- Mexichem UK Limited, The Heath Business and Technical Park WA7 4QX Runcorn Cheshire United Kingdom
- NATURGY GENERACIÓN S.L.U, Avda. San Luis nº 77 28033 Madrid Spain Spain
- NV EPZ, Zeedijk 32 4454 PM Borssele Netherlands
- PVO-Lämpövoima Oy, PL 40 00101 Helsinki Finland
- REVATECH s.a, Zoning Industriel d'Ehein 4480 Engis Belgium
- Rugeley Power Limited, Rugeley Power Station WS15 1PR Rugeley Staffordshire United Kingdom
- Solvay Sodi AD, Industrial Zone 9160 DEVNYA Bulgaria
- Stadtwerke Duisburg, Bungertstrasse 27 47053 Duisburg Germany
- Tarmac Cement and Lime ltd, Portland House Bickenhill Lane B37 7BQ Solihull Birmingham United Kingdom
- Thermphos International B.V., Europaweg Zuid 4, Haven 9890, 4389 PD Ritthem / Vlissingen Netherlands
- Umicore NV/SA, Rue du Marais 31 1000 Brussels Belgium
- Uniper UK Limited, Compton House 2300 The Crescent, Birmingham Business Park B37 7YE Birmingham West Midlands United Kingdom
- Viesgo Producción, S.L.U., C\ ISABEL TORRES, 25 39011 Cantabria Cantabria Spain

Substance names and other identifiers

Regulatory process names

Calcium sulfate	EC Inventory, REACH pre-registration, Other
Calcium sulfate	REACH pre-registration, Other, Cosmetic Products Regulation, Annex IV - Allowed Colorants

Translated names

CAS names

Sulfuric acid, calcium salt (1:1)	Other

IUPAC names

Anhidrita	Registration dossier
Anhydrite	Registration dossier
Calcio Sulfato 2-hidrato	C&L Inventory
CALCIUM SULFATE	C&L Inventory, Registration dossier, Other
Calcium Sulfate	C&L Inventory, Registration dossier, Other
Calcium sulfate (All calcium sulfates are covered by the registration of the anhydrous form.)	Registration dossier
Calcium sulfate / gypsum	Registration dossier
Calcium sulfate dihydrate	C&L Inventory, Registration dossier
Calcium Sulfate Dihydrate	Registration dossier
CALCIUM SULPHATE	C&L Inventory, Registration dossier
CALCIUM SULPHATE	C&L Inventory, Registration dossier
Calcium sulphate dihydrate	Registration dossier
Calcium sulphate dihyrate	Registration dossier
Calcium sulphate hemihydrate	Registration dossier
Calcium Sulphate Whisker	Registration dossier
calcium;sulfate	Registration dossier, Other
Calciumsulfatbinder CAB30	Registration dossier
Calciumsulfate dihydrate	Registration dossier
calicum sulfate	Registration dossier
CaSO4.2H20	C&L Inventory
Energosádrovec	Registration dossier
Gips	Registration dossier
gypse	Registration dossier
Gypsum	Registration dossier
Gypsum (flue gas desulphurization)	Registration dossier
GYPSUM - CALCIUM SULFATE	Registration dossier
gypsum, calcium sulfate	Registration dossier
Gypsum- Anhydrite	Registration dossier
gysum (flue gas desulphurization	Registration dossier
gysum (flue gas desulphurization)	Registration dossier
Odpady z wapniowych metod odsiarczania gazów odlotowych	Registration dossier
REA Gips	Registration dossier
REA – Gips / FGD - Gypsum	Registration dossier
REA-Gips	Registration dossier
REA-Gips / FGD-Gypsum	Registration dossier
Reagips	Registration dossier
siarczan wapnia, gips	Registration dossier
Sulcabai	Registration dossier
Sulphuric acid calcium salt (1:1)	C&L Inventory
White gypsum	Registration dossier

Trade names

AgroSulCa	Registration dossier
AISLAYOLA	Registration dossier
AISLAYOLA P	Registration dossier
Alabaster	Registration dossier
Amphore	Registration dossier
ANHIDRITA	Registration dossier
Anhydrit	Registration dossier
Anhydrite	Registration dossier
Anhydrous calcium sulfate	Registration dossier
Anhydrous gypsum	Registration dossier
B81	Registration dossier
Basic calcium sulfate	Registration dossier
Baugips, Stuckgips	Registration dossier
Calcium (II) sulfate dihydrated (1:1:2)	Registration dossier
Calcium Sulfate	Registration dossier
Calcium Sulfate Anhydrite	Registration dossier
Calcium sulfate dihydrat	Registration dossier
Calcium sulfate dihydrate	Registration dossier
Calcium sulfate, anhydrous	Registration dossier
calcium sulfate, synthetic	Registration dossier
Calcium Sulphate	Registration dossier
Calcium Sulphate Dihydrate	Registration dossier
Calciumsulfatdihydrat	Registration dossier
Cegips	Registration dossier
clean gypsum	Registration dossier
Construct Gips	Registration dossier

Decogips	Registration dossier
DESULFOGYPSE	Registration dossier
DSG	Registration dossier
EL DUENDE	Registration dossier
Energosadrovec ENOS	Registration dossier
Energosádrovec	Registration dossier
FDP-Gypsum	Registration dossier
Fertilizer	Registration dossier
FGD Gypsum	Registration dossier
FGD-Gypsum	Registration dossier
FGD-Gypsum / REA Gips	Registration dossier
FGD-Gypsum / REA-Gips	Registration dossier
FGD-Gypsum/REA Gips	Registration dossier
Flue Gas Desulphurization	Registration dossier
Flue Gas Desulphurization, Gypsum	Registration dossier
Frantumato	Registration dossier
Fuoco	Registration dossier
gessato	C&L Inventory
Gessi colla	Registration dossier
Gessi Lastra Standard	Registration dossier
Gesso alabastrino	Registration dossier
Gesso Cotto	Registration dossier
Gesso da DSO	Registration dossier
gesso di parigi	Registration dossier
gesso in polvere	Registration dossier
gesso scagliola	Registration dossier
GIBS	Registration dossier
Gips	Registration dossier
gips FGD	Registration dossier
gips syntetyczny	Registration dossier
Gips z instalacji odsiarczania spalin	Registration dossier
Gips z odsiarczania spalin	Registration dossier
Gips z wapiennej metody odsiarczania gazów odlotowych (reagips)	Registration dossier
gipsas	Registration dossier
Glettgipsz	Registration dossier
gyproc	Registration dossier
Gypse	Registration dossier
Gypsite	Registration dossier
Gypsum	Registration dossier
Gypsum from flue gas wet desulphurization	Registration dossier
Gypsum slurry	Registration dossier
Hochbrandgips A3	Registration dossier
Hochbrandgips Keuper M	Registration dossier
Ibercol	Registration dossier
Iberplast	Registration dossier
Idro	Registration dossier
INDAYOLA	Registration dossier
Kalziumsulfatdihydrat	Registration dossier
legante a base gesso	Registration dossier
Lime Anhydrous Sulfate	Registration dossier
Longips	Registration dossier
Malta di Rocca	Registration dossier
Marmorgips A3	Registration dossier
Mecafino	Registration dossier
Model Gips	Registration dossier
NATURGESSO	Registration dossier
Naturgips, Gipsstein, Anhydrit, Gips, Calciumsulfat-Dihydrat, Calciumsulfat-Halbhydrat, Alabaster, Selenit, Marienglas, ...	Registration dossier
nawóz	Registration dossier
Nawóz wapniowo-magnezowy	Registration dossier
Paris Plaster	Registration dossier
Perlinor	Registration dossier
phosphogypse	Registration dossier
Phosphogypsum	Registration dossier
PLASTER OF PARIS	Registration dossier
Plaster of Paris, anhydrite	Registration dossier
Precipitated calcium sulfate	Registration dossier
produkt uboczny z instalacji mokrego odsiarczania spalin	Registration dossier
Produkt z odsiarczania metoda mokra	Registration dossier

Produkt z odsiarczania metodą mokrą	Registration dossier
produkty uboczne z instalacji mokrego odsiarczania spalin	Registration dossier
Proyal	Registration dossier
Proyal XXI	Registration dossier
Puroplast	Registration dossier
R25	Registration dossier
R41	Registration dossier
RCgips	Registration dossier
REA - Gips	Registration dossier
REA Gips	Registration dossier
REA-Gips	Registration dossier
REA-Gips(FGD gypsum)	Registration dossier
REA-Gips, Calciumsulfat Dihydrate	Registration dossier
REA-Gips, powergips	Registration dossier
REA-Gips, steagips	Registration dossier
REA-Gips, steagips, powergypsum	Registration dossier
Residues, calcium sulfate-contg., flue gas wet desulfurization neutralization	Registration dossier
Rifin	Registration dossier
Rifix	Registration dossier
rigips	Registration dossier
Rimano	Registration dossier
RO-gips	Registration dossier
sadra	Registration dossier
sadrovec	Registration dossier
Scagliola nera	Registration dossier
Scagliola rossa	Registration dossier
Siarczan wapnia 2-wodny	Registration dossier
Siarczan wapnia dwuwodny	Registration dossier
Siarczan wapniowo-magnezowy	Registration dossier
Sistemas Placo	Registration dossier
solfato di calcio emidrato	Registration dossier
Stałe odpady z wapniowych metod odsiarczania gazów odlotowych	Registration dossier
Stucco Gessi rapido	Registration dossier
Stucco Gessi super rapido	Registration dossier
Sulfate de calcium	Registration dossier
SULFURIC ACID CALCIUM SALT	Registration dossier
Sulfuric acid, calcium salt	Registration dossier
Sulfuric acid, calcium salt (1:1)	Registration dossier
Sulphate, Calcium	Registration dossier
Syntethic anhydrite	Registration dossier
synthetic anhydrite	Registration dossier
Synthetic gypsum	Registration dossier
Sádra	Registration dossier
UTX-2N	Registration dossier
YESODUR PLUS X	Registration dossier
YESODUR R	Registration dossier
YESODUR-1	Registration dossier
YESOFIX	Registration dossier
YESOLITA	Registration dossier
YESOPLAST	Registration dossier
YESOS BLANCO	Registration dossier
YESOS RAPIDO	Registration dossier

Other names

Other identifiers

1314087-18-7	CAS number	Other
1314087-18-7	Deleted CAS number	Other
1428662-16-1	CAS number	Other
1428662-16-1	Deleted CAS number	Other
146522-67-0	CAS number	Other
146522-67-0	Deleted CAS number	Other
151621-69-1	CAS number	Other
151621-69-1	Deleted CAS number	Other
23296-15-3	CAS number	Other
23296-15-3	Deleted CAS number	Other
326855-67-8	CAS number	Other
326855-67-8	Deleted CAS number	Other
7778-18-9	CAS number	EC Inventory, C&L Inventory, Registration dossier, REACH pre-registration, Other, Cosmetic Products Regulation, Annex IV - Allowed Colorants
871982-24-0	CAS number	Other
871982-24-0	Deleted CAS number	Other
99400-01-8	CAS number	Other
99400-01-8	Deleted CAS number	Other

Scientific properties

Physical and chemical properties

This section provides physicochemical information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

Appearance/physical state / colour

Study results

4 studies submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				
Weight of evidence				4

Data waiving

no waivers

C Summaries

2 summaries submitted
2 summaries processed

Physical state at 20°C and 1013 hPa

Solid (100%)

Melting/freezing point

Study results

3 studies submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				
Weight of evidence				3

Data waiving

no waivers

R Summaries

1 summary submitted
1 summary processed

Melting / freezing point at 101 325 Pa

1 450 °C

Boiling point

Study results
1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Sci. unjustified	1

Summaries
0 summaries submitted
0 summaries processed

No data available

Density

Study results
4 studies submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				
Weight of evidence				4
Data waiving				
no waivers				

R Summaries
1 summary submitted
1 summary processed

Relative density at 20°C
2.96

Vapour pressure

Study results
1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Sci. unjustified	1

Summaries
0 summaries submitted
0 summaries processed

No data available

Partition coefficient

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				
Data waiving				
Not feasible	1			

Summaries

0 summaries submitted
0 summaries processed

No data available

Water solubility

Study results

5 studies submitted
1 study processed

R **Water solubility (mass/vol.)**
2.4 g/L @ 20 °C and pH 7.7 [1]

Type of Study provided

Studies with data				
Key study	1			
Supporting study	2			2
Data waiving				
no waivers				

R Summaries

1 summary submitted
1 summary processed

Water solubility
2.4 g/L @ 20 °C

Solubility in organic solvents / fat solubility

Data not provided by the registrant

Surface tension

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				
Data waiving				
Sci. unjustified	1			

Summaries

0 summaries submitted
0 summaries processed

No data available

Flash point

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Not feasible	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Auto flammability

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Flammability

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Explosiveness

Study results
1 study submitted
0 studies processed

⚠ No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Sci. unjustified	1

Summaries
0 summaries submitted
0 summaries processed

⚠ No data available

Oxidising

Study results
1 study submitted
0 studies processed

⚠ No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Sci. unjustified	1

Summaries
0 summaries submitted
0 summaries processed

⚠ No data available

Oxidation reduction potential

⚠ Data not provided by the registrant

pH

⚠ Data not provided by the registrant

Dissociation constant

Study results
1 study submitted
1 study processed

C **Dissociating properties**
Yes (100%) [1]

R **Dissociation constant**
4.35 @ 25 °C [1]

Type of Study provided

Studies with data	
Key study	1
Data waiving	
no waivers	

R Summaries
1 summary submitted
1 summary processed

pKa at 20 °C
4.35

Viscosity

Study results
1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data

Data waiving

Not feasible	1

Summaries
0 summaries submitted
0 summaries processed

No data available

Environmental fate and pathways

This section provides environmental fate and pathways information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

Phototransformation in air
Data not provided by the registrant

Hydrolysis

Study results
1 study submitted
0 studies processed

Study data not processed for brief profile

Type of Study provided

Studies with data

Data waiving

Other	1

Summaries
0 summaries submitted
0 summaries processed

No data available

Phototransformation in water
Data not provided by the registrant

Phototransformation in soil
Data not provided by the registrant

Biodegradation in water - screening tests

Study results
1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data

Data waiving

Not feasible	1

Summaries
1 summary submitted
0 summaries processed

No automatically processable data submitted

Biodegradation in water & sediment - simulation tests

Study results
0 studies submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Studies with data

Data waiving

no waivers

Summaries
1 summary submitted
0 summaries processed

⚠ No automatically processable data submitted

Biodegradation in soil

Study results
1 study submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Studies with data

Data waiving

Other	1

Summaries
0 summaries submitted
0 summaries processed

⚠ No data available

Bioaccumulation: aquatic / sediment

Study results
1 study submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Studies with data

Data waiving

Other	1

Summaries
0 summaries submitted
0 summaries processed

⚠ No data available

Bioaccumulation: terrestrial

Study results

1 study submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

⚠ No data available

Adsorption/desorption

Study results

2 studies submitted
0 studies processed

⚠ No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Not feasible	1
Other	1

Summaries

0 summaries submitted
0 summaries processed

⚠ No data available

Henrys law constant (H)

⚠ Data not provided by the registrant

Distribution modelling

⚠ Data not provided by the registrant

Ecotoxicological information

This section provides ecotoxicological information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

Predicted No-Effect Concentration (PNEC)

R Summaries

1 summary submitted
1 summary processed

The Predicted No-Effect Concentration (PNEC) value is the concentration of a substance below which adverse effects in the environment are not expected to occur. Please note that when more than one summary is provided, PNEC values may refer to constituents of the substance and not to the substance as a whole. More detailed information is available in the dossiers.

Hazard for Aquatic Organisms

Freshwater	No hazard identified (1)
Intermittent releases (freshwater)	No hazard identified (1)
Marine water	No hazard identified (1)
Intermittent releases (marine water)	No hazard identified (1)
Sewage treatment plant (STP)	100 mg/L (1)
Sediment (freshwater)	No hazard identified (1)
Sediment (marine water)	No hazard identified (1)

Hazard for Air

Air	No hazard identified (1)

Hazard for Terrestrial Organism

Soil	No hazard identified (1)

Hazard for Predators

Secondary poisoning	No potential for bioaccumulation (1)

Short–term toxicity to fish

Study results

6 studies submitted
3 studies processed

P/R **Results**

LC50 (4 days) 79 - 2 980 mg/L [3]

Type of Study provided

Studies with data				
Supporting study	3			
Weight of evidence	3			

Data waiving

no waivers

Summaries

1 summary submitted
0 summaries processed

No automatically processable data submitted

Long–term toxicity to fish

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data				

Data waiving

Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Short–term toxicity to aquatic invertebrates

Study results

6 studies submitted
2 studies processed

P/R **Results**

LC50 (48 h) 79 - 1 970 mg/L [3]

Type of Study provided

Studies with data	
Supporting study	3
Weight of evidence	3

Data waiving

no waivers

Summaries

1 summary submitted
0 summaries processed

No automatically processable data submitted

Long–term toxicity to aquatic invertebrates

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	

Data waiving

Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Toxicity to aquatic algae and cyanobacteria

Study results

4 studies submitted
1 study processed

P/R **Results**

EC50 (72 h) 79 mg/L [1]

Type of Study provided

Studies with data	
Supporting study	1
Weight of evidence	3

Data waiving

no waivers

Summaries

1 summary submitted
0 summaries processed

No automatically processable data submitted

Toxicity to aquatic plants other than algae

Data not provided by the registrant

Toxicity to microorganisms

Study results

1 study submitted
1 study processed

P/R **Results**

EC50 (3 h) 1 g/L [1]
NOEC (3 h) 1 g/L [1]

Type of Study provided

Studies with data	
Key study	1

Data waiving

no waivers

R Summaries

1 summary submitted
1 summary processed

EC10 or NOEC for microorganisms

1 g/L

Sediment toxicity

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Endocrine disrupter testing in aquatic vertebrates – in vivo

Data not provided by the registrant

Toxicity to terrestrial macroorganisms except arthropods

Study results

2 studies submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	2

Summaries

0 summaries submitted
0 summaries processed

No data available

Toxicity to terrestrial arthropods

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Toxicity to terrestrial plants

Study results

4 studies submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Supporting study	2
Data waiving	
Other	2

Summaries

1 summary submitted
0 summaries processed

No automatically processable data submitted

Toxicity to soil microorganisms

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

1 summary submitted
0 summaries processed

No automatically processable data submitted

Toxicity to birds

Study results

1 study submitted
0 studies processed

No automatically processable data submitted

Type of Study provided

Studies with data	
Data waiving	
Other	1

Summaries

0 summaries submitted
0 summaries processed

No data available

Toxicity to mammals
Data not provided by the registrant

Toxicological information

This section provides toxicological information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

Derived No- or Minimal Effect Level (DN(M)EL)

M/C Summaries

1 summary submitted
1 summary processed

The derived no- or minimum effect level (DN(M)EL) is the level of exposure above which a human should not be exposed to a substance. Please note that when more than one summary is provided, DN(M)EL values may refer to constituents of the substance and not to the substance as a whole. More detailed information is available in the dossiers.

Data for WORKERS

INHALATION Exposure	Threshold	Most sensitive study
Long-term:	(DNEL) 21.17 mg/m³	repeated dose toxicity
Acute /short term:	(DNEL) 5 082 mg/m³	acute toxicity
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	

DERMAL Exposure	Threshold	Most sensitive study
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	

EYE Exposure

No hazard identified

Data for the GENERAL POPULATION

INHALATION Exposure	Threshold	Most sensitive study
Long-term:	(DNEL) 5.29 mg/m³	repeated dose toxicity
Acute /short term:	(DNEL) 3 811 mg/m³	acute toxicity
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	

DERMAL Exposure	Threshold	Most sensitive study
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	
Long-term:	No hazard identified	
Acute /short term:	No hazard identified	

ORAL Exposure	Threshold	Most sensitive study
Long-term:	(DNEL) 1.52 mg/kg bw/day	repeated dose toxicity
Acute /short term:	(DNEL) 11.4 mg/kg bw/day	acute toxicity

EYE Exposure

No hazard identified

Toxicokinetics, metabolism, and distribution

Study results

Study data: basic toxicokinetics — 2 studies submitted, 0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Study data: basic toxicokinetics

Studies with data				
Key study				1

Data waiving	
Other	1

Study data: dermal absorption — 0 studies submitted, 0 studies processed

⚠ Study data not processed for brief profile

Study data: dermal absorption

Studies with data				

Data waiving
no waivers

M/C Summaries — 1 summary submitted, 1 summary processed

Bioaccumulation potential:
Low bioaccumulation potential

Acute toxicity

Study results

oral — 3 studies submitted, 1 study processed

P/R **Results**
LD50 1 581 mg/kg bw (rat) [1]

M/C **Interpretations of results**
GHS criteria not met [1]

Type of Study provided

oral

Studies with data				
Key study	1			
Supporting study	2			

Data waiving
no waivers

inhalation

1 study submitted
1 study processed

P/R **Results**

LC50 (4 h) 3.26 mg/L air (rat) [1]

M/C **Interpretations of results**

GHS criteria not met [1]

inhalation

Studies with data	
Key study	1

Data waiving

no waivers

dermal

1 study submitted
0 studies processed

⚠ No automatically processable data submitted

dermal

Studies with data	

Data waiving

Other	1

other routes

0 studies submitted
0 studies processed

⚠ No data available

other routes

Studies with data	

Data waiving

no waivers

M/C Summaries

1 summary submitted
1 summary processed

Oral route:

No adverse effect observed LD50 1 581 mg/kg bw

Inhalation route:

No adverse effect observed LC50 2 610 mg/m³

Irritation / corrosion

Study results

Study data: skin

2 studies submitted
0 studies processed

Study data not processed for brief profile

Type of Study provided

Study data: skin

Studies with data				
Key study	1			
Data waiving				
Sci. unjustified	1			

Study data: eye

4 studies submitted
0 studies processed

Study data not processed for brief profile

Study data: eye

Studies with data				
Key study	1			
Supporting study			1	1
Data waiving				
Sci. unjustified	1			

M/C Summaries

1 summary submitted
1 summary processed

Skin
No adverse effect observed (not irritating)

Eye
No adverse effect observed (not irritating)

Respiratory
No study available

Sensitisation

Study results

Study data: skin

2 studies submitted
0 studies processed

Study data not processed for brief profile

Type of Study provided

Study data: skin

Studies with data				
Key study	1			

Data waiving

Sci. unjustified	1

Study data: respiratory

0 studies submitted
0 studies processed

Study data not processed for brief profile

Study data: respiratory

Studies with data				

Data waiving

no waivers

M/C Summaries

2 summaries submitted
2 summaries processed

Skin sensitisation

No adverse effect observed (not sensitising)

Respiratory sensitisation

No study available

Repeated dose toxicity

Study results

Study data: oral

9 studies submitted
1 study processed

P/R **Results**
NOAEL (rat): 79 - 790 mg/kg bw/day [2]
LOAEL (rat): 237 mg/kg bw/day [1]

Type of Study provided

Study data: oral

Studies with data	
Key study	1
Supporting study	6
Data waiving	
Sci. unjustified	2

Study data: inhalation

7 studies submitted
0 studies processed

⚠ No automatically processable data submitted

Study data: inhalation

Studies with data	
Supporting study	4
Data waiving	
Sci. unjustified	3

Study data: dermal

3 studies submitted
0 studies processed

⚠ No automatically processable data submitted

Study data: dermal

Studies with data	
Data waiving	
Sci. unjustified	3

Summaries

1 summary submitted
0 summaries processed

⚠ No automatically processable data submitted

Genetic toxicity

Study results

Study data: in vitro

9 studies submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Study data: in vitro

Studies with data				
Key study	2			
Supporting study	6			

Data waiving

Sci. unjustified	1

Study data: in vivo

1 study submitted
0 studies processed

⚠ Study data not processed for brief profile

Study data: in vivo

Studies with data				
Key study	1			

Data waiving

no waivers

M/C Summaries

1 summary submitted
1 summary processed

Toxicity - InVitro

No adverse effect observed (negative)

Toxicity - InVivo

No adverse effect observed (negative)

Carcinogenicity

Study results

3 studies submitted
0 studies processed

⚠ Study data not processed for brief profile

Type of Study provided

Studies with data				
Supporting study	2			

Data waiving

Other	1

Summaries

1 summary submitted
0 summaries processed

⚠ No automatically processable data submitted

Toxicity to reproduction

Study results

Study data: reproduction — 2 studies submitted, 0 studies processed

Study data not processed for brief profile

Type of Study provided

Study data: reproduction

Studies with data				
Key study	1			

Data waiving

Sci. unjustified	1

Study data: developmental — 2 studies submitted, 0 studies processed

Study data not processed for brief profile

Study data: developmental

Studies with data				
Key study	1			

Data waiving

Sci. unjustified	1

Study data: other studies — 1 study submitted, 0 studies processed

Study data not processed for brief profile

Study data: other studies

Studies with data				
Supporting study	1			

Data waiving

no waivers

M/C Summaries — 1 summary submitted, 1 summary processed

Effect on fertility

Oral route:

No adverse effect observed NOAEL 790 mg/kg bw/day (subacute, rat)

Neurotoxicity

Data not provided by the registrant

Immunotoxicity

Data not provided by the registrant

Endocrine disrupter mammalian screening - in vivo
⚠ Data not provided by the registrant

Legend

Type of study

- Experimental results
- Read across based on grouping of substance (category approach) or Read-across from supporting substance (structural analogue or surrogate)
- Estimated by calculation or (Q)SAR
- Experimental study planned, other or unspecified

Type of aggregation

- C — Concatenated distinct values
- R — Range of values
- P/R — Prioritisation (Eco)Toxicology AND Range of values
- M/C — Most Conservative of values

ECHA

AsChem Sede Legale e Direzione Via Piave 21 - Laboratori Strada Requaglia, 13 - Ovada (AL) www.aschem.it

AsChem di Dott. Nervi Giulio - Centro Ovadese Amianto - Laboratorio Qualificato Presso il Ministero della Salute n°605 PIE31 per l'esecuzione delle Analisi dell'Amianto. Secondo D.M. 06/09/1994 All.3

Spett.le **ECOIMPIANTI C.R.V. s.r.l.**
Via Guerra, Localita' Pomenzone
14100 Asti AT

Rapporto di Prova 220529077

Codice campione	220529077	**Matrice**	Rifiuto		
Tipo Prova	Matrici varie.	**Campionamento**	A cura del committente Verb 58/22		
Contenitore	Sacco	**Data Campionamento**			
Data accettazione	09/05/2022	**Data inizio Prove**	09/05/2022	**Data Fine Prove**	13/05/2022

Campione Consegnato Il:	09/05/2022
Campione Consegnato da:	Corriere
Campionatore:	Verb. Comm. 58/2022
Annotazioni del committente. §	17 05 04 Tenda Controllo
Codificazione dichiarato CER.: §	17 05 04
Data campionamento dichiarata: §	05/05/2022
§ - NOTA:	Si declina ogni responsabilità sulle dichiarazioni ed sui risultati da esse influenzati.
INFORMAZIONI SUI PROVINI OSSERVATI	
Aspetto:	Frammenti lapidei grossolani chiari.

PARAMETRI

Analita	*Metodo della Prova*	*Risultato Incertezza*	*U.M.*	*V.L.*	*Note*
PARAMETRI CHIMICO FISICI	------				
Residuo 105℃	MPI-C 01 rev. 1 2004	99	%		
Frazione < 2 mm	UNI EN 933-1:2012	35	%		

Analita	Metodo della Prova	Risultato Incertezza	U.M.	V.L.	Note
Frazione > 2 mm	UNI EN 933-1:2012	75	%		
METALLI	------				
Arsenico.	EPA 3050B + EPA 6010D	<1	mg/Kg s.s.	20 - 50	
Berilio.	EPA 3050B + EPA 6010D	0,3	mg/Kg s.s.	2 - 10	
Cadmio.	EPA 3050B + EPA 6010D	<0,2	mg/Kg s.s.	2 - 15	
Cobalto.	EPA 3050B + EPA 6010D	2	mg/Kg s.s.	20 - 250	
Cromo Totale.	EPA 3050B + EPA 6010D	11	mg/Kg s.s.	150 - 800	
Mercurio.	EPA 3050B + EPA 6010D	<0,05	mg/Kg s.s.	1 - 5	
Nichel.	EPA 3050B + EPA 6010D	6	mg/Kg s.s.	120 - 500	
Piombo.	EPA 3050B + EPA 6010D	1	mg/Kg s.s.	100 - 1000	
Rame.	EPA 3050B + EPA 6010D	<1,8	mg/Kg s.s.	120 - 600	
Selenio.	EPA 3050B + EPA 6010D	<0,1	mg/Kg s.s.	3 - 15	
Vanadio.	EPA 3050B + EPA 6010D	62	mg/Kg s.s.	90 - 250	
Zinco.	EPA 3050B + EPA 6010D	<12	mg/Kg s.s.	150 - 1500	
CONTAMINANTI ORGANICI	------				
Idrocarburi Pesanti (C>12)	EPA 9074 : 2007	<5	mg/Kg s.s.	50 - 750	
IDENTIFICAZIONE QUALITATIVA DELL	DM 6/9/94 GU n 288 10/12/1994 All. 3				
Amianto (identificazione qualitativa MOC	DM 6/9/94 GU n 288 10/12/1994 All. 3	non rilevato			

L'analisi si riferisce solo al campione preso in esame, non è riferibile o generalizzabile a campioni di maggiori dimensioni.
V.L. Valori Limite secondo la normativaAllegati al Titolo V all. 5 Tab. 1Col.A, B D.L.Vo. 3 aprile 2006 n. 152
 (**) - Prova sub appaltata (n.d)- non determinabile. (L.D.) - Limite di determinazione della metodologia impiegata per l'esecuzione della prova.

Questo Rapporto di Prova è un documento informatico firmato elettronicamente, secondo il CAD D.Lgs n. 102 del 18 mag 2015. Il documento elettronico è conservato anche negli archivi informatici di AsChem per cinque anni e può essere richiesto dal Cliente, secondo le modalità riportate in MOD-PC01 durante tutto il periodo di conservazione.

Analita	Metodo della Prova	Risultato Incertezza	U.M.	V.L.	Note

L'incertezza è espressa nelle unità di misura del parametro a cui si riferisce. Il fattore di copertura è pari a k=2 con un intervallo di probabilità del 95%

Fine del Rapporto di Prova n° 220529077

Il responsabile del laboratorio

Il Chimico Dott. Giulio Nervi Specialista in metodologie chimiche di controllo ed analisi si avvale delle strutture tecnico organizzative di AsChem

Metodo DM 06/09/1994 GU n°288 10/12/1994 All 3 = per la determinazione dell'amianto qualitativo il laboratorio ha validato il proprio limite di rilevabilità (RL) e garantisce il rilevamento di fibre se il contenuto nel campione è >= allo 0,05% in massa, con un intervallo di confidenza del 95%. L'analisi è condotta sul campione massivo, ovvero macinabile e polverizzabile.

L'analisi si riferisce solo al campione preso in esame. non è riferibile o generalizzabile a campioni di maggiori dimensioni.
V.L. Valori Limite secondo la normativaAllegati al Titolo V all. 5 Tab. 1Col.A, B D.L.Vo. 3 aprile 2006 n. 152
 (**) - Prova sub appaltata. (n.d)- non determinabile. (L.D.) - Limite di determinazione della metodologia impiegata per l'esecuzione della prova.

Questo Rapporto di Prova è un documento informatico firmato elettronicamente, secondo il CAD D.Lgs n. 102 del 18 mag 2015. Il documento elettronico è conservato anche negli archivi informatici di AsChem per cinque anni e può essere richiesto dal Cliente, secondo le modalità riportate in MOD-PC01 durante tutto il periodo di conservazione.

Servizi e analisi chimico fisiche su : acque, suoli, aria, rifiuti, reflui - Igiene ambientale, monitoraggi ambientali ed emissioni gassose - Consulenza ambientale.

L.A.V. s.r.l.
Laboratorio Analisi e Consulenza
Igiene degli Alimenti
Microbiologia
Igiene e sicurezza nei luoghi di lavoro
Indagini ambientali

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0447 L

Rapporto di Prova N. 2722

* 2 0 2 2 2 7 2 2 *

Rimini 05/08/2022

Committente: M3C Srl
Via G. G. Longo, 1/12 16155 Genova (GE)

Numero campione: 2722 **Ricevimento:** 04/07/2022 **Inizio prove:** 04/07/22 **Termine prove:** 05/08/22
Descrizione Campione: Campionamento eseguito presso: Ditta I.I.T. - Largo Barsanti e Matteucci, 53 - Napoli.
Denominazione Campione: Fiala 1
Descrizione Sigillo:
Quantità Campione: -- **Data di Campionamento:** 23/06/22
Imballaggio:
Procedura Campionamento: Campione prelevato dal Cliente

Metodo Analitico	Nome Prova	Risultato	Incertezza	U.M.	Limite
Dati forniti dal Cliente	Volume Campionato	0,1270		Nmc	-
UNI CEN/TS 13649:2015	Diclorometano	0,008	± 0,002	mg/Nmc	-
UNI CEN/TS 13649:2015	N-metilpirrolidone	< 0,39		mg/Nmc	-

--- Fine rapporto ---

Il Responsabile Tecnico
Dott. Felice Nicola Rossi
Chimico
Ordine Interprovinciale dei Chimici dell'Emilia Romagna
n. A1677

Il Responsabile di Laboratorio
Per.Ind. Oberdan Pizzoni
Collegio Periti Industriali - Provincia di Pesaro e Urbino
n. 174

Documento firmato digitalmente ai sensi della normativa vigente dal Responsabile di Laboratorio Per.Ind. Marco Tontini o suo delegato.
Approvato dal Responsabile tecnico per il settore di pertinenza.

I valori riportati, se normalizzati, sono riferiti a 20 °C e 1013 mbar.
Gli analiti contrassegnati con (+) si riferiscono a composti classificati cancerogeni ai sensi della normativa CLP - Regolamento CE 1272/2008 e ss.mm.ii.
Gli analiti contrassegnati con ($) si riferiscono a composti classificati cancerogeni e mutageni ai sensi del D.lgs. 9 aprile 2008, n. 81. TESTO UNICO SULLA SALUTE E SICUREZZA SUL LAVORO.

Il valore dell'incertezza associato al risultato, se riportato, è di tipo esteso con fattore di copertura k = 2, p = 95%, gradi di libertà = 10.

La concentrazione riportata per i singoli analiti misurati è relativa al solo periodo di campionamento.
Nel caso il campionamento non sia effettuato dal personale del laboratorio i risultati ottenuti sono da riferirsi esclusivamente al campione così come ricevuto.
Se il campionamento è stato eseguito dal cliente i dati di volume, durata, data e orario del campionamento, sono stati forniti dal cliente e sono utilizzati per il calcolo dei risultati in concentrazione riportati sul presente rapporto di prova.
Per i dati forniti dal cliente il laboratorio declina ogni responsabilità.

Le analisi (ad eccezione di quelle eseguite in campo) sono eseguite presso la sede operativa di Via Nuova Circonvallazione 57/D Rimini.
Se non diversamente specificato i giudizi di conformità/non conformità eventualmente riportati si riferiscono ai parametri analizzati e si basano sul confronto del valore con i valori di riferimento senza considerare l'incertezza della misura.

Le prove contrassegnate con * non sono oggetto di accreditamento da parte di ACCREDIA.
In caso il campionamento non sia effettuato dal laboratorio, la fase di campionamento non è da ritenersi accreditata.

AsChem Sede Legale e Direzione Via Piave 21 - Laboratori Strada Requaglia, 13 - Ovada (AL) www.aschem.it

AsChem di Dott. Nervi Giulio - Centro Ovadese Amianto - Laboratorio Qualificato Presso il Ministero della Salute n°605 PIE31 per l'esecuzione delle Analisi dell'Amianto. Secondo D.M. 06/09/1994 All.3

Spett.le **ECOIMPIANTI C.R.V. s.r.l.**
Via Guerra, Localita' Pomenzone
14100 Asti AT

Rapporto di Prova 220629328

Codice campione	220629328	**Matrice**	PDRA 1°LOTTO22		
Tipo Prova	Gesso a crudo		**Campionamento**	A cura del committente Verb86/22	
Contenitore	Giara		**Data Campionamento**		
Data accettazione	13/06/2022	**Data inizio Prove**	13/06/2022	**Data Fine Prove**	17/06/2022

Campione Consegnato Il:	13/06/2022
Campione Consegnato da:	Committente
Campionatore:	Verb. Comm. 86/22
Annotazioni del committente. §	PDRA 1°lotto 2022
Data campionamento dichiarata: §	13/6/2022
§ - NOTA:	Si declina ogni responsabilità sulle dichiarazioni ed sui risultati da esse influenzati.

PARAMETRI

Analita	*Metodo della Prova*	*Risultato Incertezza*	*U.M.*	*V.L.*	*Note*
Acqua libera	Met. Uff. ASTM C471M-01 P.7	4	%		
Acqua combinata	Met. Uff. ASTM C471M-01 P.7	19	%		
Gesso + Anidrite (CaSO4*2H2O) + (CaSO4)	Met. Uff. ASTM C471M-01 P.14	95	% s.s.		
SO3 Totale	MPI-C 79 Rev. 0 : 2016	44	% s.s.		

Analita	Metodo della Prova	Risultato Incertezza	U.M.	V.L.	Note

L'incertezza è espressa nelle unità di misura del parametro a cui si riferisce. Il fattore di copertura è pari a k=2 con un intervallo di probabilità del 95%

Fine del Rapporto di Prova n° 220629328

Il responsabile del laboratorio

Il Chimico Dott. Giulio Nervi Specialista in metodologie chimiche di controllo ed analisi si avvale delle strutture tecnico organizzative di AsChem

L'analisi si riferisce solo al campione preso in esame, non è riferibile o generalizzabile a campioni di maggiori dimensioni.
V.L. Valori di riferimento della normativa vigente, se presente e su richiesta.
 (**) - Prova sub appaltata. (n.d)- non determinabile. (L.D.) - Limite di determinazione della metodologia impiegata per l'esecuzione della prova.

Questo Rapporto di Prova è un documento informatico firmato elettronicamente, secondo il CAD D.Lgs n. 102 del 18 mag 2015. Il documento elettronico è conservato anche negli archivi informatici di AsChem per cinque anni e può essere richiesto dal Cliente, secondo le modalità riportate in MOD-PC01 durante tutto il periodo di conservazione.

Servizi e analisi chimico fisiche su : acque, suoli, aria, rifiuti, reflui - Igiene ambientale, monitoraggi ambientali ed emissioni gassose - Consulenza ambientale.