

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier****Product Name** SCOREX PLUS**REACH Registration Number** See section 3.2**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended Use** Blasting agent.
Uses advised against This product must not be used in applications other than those identified above, without first seeking advice of the supplier.**1.3. Details of the supplier of the safety data sheet**

Legal entity	Contact details	
SCR-Sibelco NV Plantin en Moretuslei 1A BE-2018 Antwerpen	NZM GRIT De Zate 1 B-2480 Dessel Tel.: +32 14 31 48 51 sales.mineralsplus@sibelco.com	Maasgrit BV Op de Bos 300 NL-6223 EP Maastricht Tel.: +31 (0)43 3663755 sales.mineralsplus@sibelco.com

1.4. Emergency telephone numberSibelco
+31 (0)43 3663755 (during office hours)**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008.

Depending on the type of handling and use, airborne dust may be generated. Occupational exposure to dust should be monitored and controlled.

This product should be handled with care to avoid dust generation.

Classification according to Regulation EC 1272/2008

Not classified.

2.2. Label elements

None.

2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. No other hazard identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature Mixture with a substance containing a main-component, UVCB.

Chemical Name	EC-No	CAS-No	Classification (1272/2008/EC)	Weight %	REACH Registration Number
Slags, ferrous metal, blast furnace slag	266-002-0	65996-69-2	-	50	01-2119487456-25-X XXX
Glass, oxide, chemicals (e-glass)	266-046-0	65997-17-3	-	>35	Exempted

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice No hazards which require special first aid measures.

Eye contact Rinse with copious quantities of water and seek medical attention if irritation persists.

Skin contact No special first aid measures necessary.

Ingestion No first aid measure required.

Inhalation Movement of the exposed individual from the area to fresh air is recommended.

4.2. Most important symptoms and effects, both acute and delayed

Main symptoms No acute and delayed symptoms and effects are observed.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician No special first aid measures necessary.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media No specific extinguishing media is needed.

Unsuitable Extinguishing Media No restriction on the extinguishing media to be used.

5.2. Special hazards arising from the substance or mixture

Non combustible. No hazardous thermal decomposition.

5.3. Advice for firefighters

No specific fire-fighting protection is required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, wear respiratory personal protective equipment in compliance with national legislation, see EN 143: 2000.

6.2. Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems (with high-efficiency particulate air filter) to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. Other suitable controls may include enclosure, isolation, water suppression, respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Shower and change clothes at end of work shift.

7.2. Conditions for safe storage, including any incompatibilities

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3. Specific end use(s)

If you require advice on specific uses, please contact your supplier.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

Chemical Name	European Union	The United Kingdom	France	Germany	Netherlands
Dust				TWA: 0.3 mg/m ³ resp (Dens. 1 g/cm ³) STEL: 2.1 mg/m ³ resp (Dens. 1 g/cm ³) TWA: 4 mg/m ³ inh	TGG: 10 mg/m ³ inh priv

Chemical Name	Italy	Spain	Portugal	Denmark	Poland
Dust		VLA-ED: 3 mg/m ³ resp VLA-ED: 10 mg/m ³ inh		GV: 10 mg/m ³ inh	

Chemical Name	Belgium	Finland	Norway	Hungary	Sweden
Dust	TWA: 3 mg/m ³ resp TWA:10 mg/m ³ inh	HTP-arvot: 10 mg/m ³ inh inorg		ÅK: 6 mg/m ³ resp ÅK: 10 mg/m ³ inh	NVG: 10 mg/m ³ inh inorg NVG: 5 mg/m ³ resp inorg

Biological Limit Values

No information available.

Recommended monitoring procedures

No information available.

Derived No Effect Level (DNEL)

Not determined.

Predicted No Effect Concentration (PNEC)

Chemical Name	Freshwater	Marine water	Intermittent release	Sewage treatment plant	Freshwater sediment	Marine sediment	Soil	Oral
Slags, ferrous metal, blast furnace slag	5 g/L	0.5 g/L		10 g/L			1000 mg/kg dw	

8.2. Exposure controls

Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

Skin protection

No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hand Protection

Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

Respiratory protection

In case of prolonged exposure to airborne dust concentrations, wear a respiratory

protective equipment that complies with the requirements of European or national legislation. The use of half or full face masks with filters against particles of category 2 or 3 (FP2 - FP3) is recommended. See EN 143: 2000 - Respiratory protective devices. Particle filters.

Environmental Exposure Controls Avoid wind dispersal.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state @20°C	Solid
Appearance	Granular (angular, sharp-edged)
Colour	Light brown - Green
Odour	Odourless
pH	10 - 11
Melting/freezing point	1195 - 1220 °C
Boiling point/boiling range	Not applicable (solid inorganic substance)
Flash point	Not applicable (not flammable)
Evaporation rate	Not applicable (solid inorganic substance)
Flammability (solid, gas)	Not flammable
Flammability Limits in Air	Not flammable
Explosive limits	Not applicable (not flammable)
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	No information available
Solubility	
Water solubility	Insoluble
Partition Coefficient (n-octanol/water)	Not applicable (solid inorganic substance)
Autoignition temperature	Not applicable (not flammable)
Decomposition temperature	Not applicable (solid inorganic substance)
Viscosity, dynamic	Not applicable (solid inorganic substance)
Explosive properties	Not explosive
Oxidising properties	Not oxidizing

9.2 Other information

Density	2.3 - 2.4 kg/m ³
Bulk Density	1.3 - 1.4 kg/m ³

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Inert, not reactive.

10.2. Chemical stability

Chemically stable.

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4. Conditions to avoid

Not relevant.

10.5. Incompatible materials

No particular incompatibility.

10.6. Hazardous decomposition products

Not relevant.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Slags, ferrous metal, blast furnace slag	>2000 mg/kg (Rat)	>4000 mg/kg (Rat)	> 5234 mg/m ³ (Rat) 4h >230.1 mg/m ³ (Rat) 6h

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Chemical Name	Skin corrosion/irritation	Serious eye damage/irritation
Slags, ferrous metal, blast furnace slag	OECD 404, In vivo, Rabbit Result: Non-irritating	ICCVAm App G, In vivo, Rabbit Result: Non-irritating OECD 405, In vivo, Rabbit Result: Non-irritating

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration Hazard Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Contains no substances known to be hazardous for the environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Slags, ferrous metal, blast furnace slag			EC10: >10 g/L 3h (OECD 209) EC50: >10 g/L 3h (OECD 209) EC100: >10 g/L 3h (OECD 209)	

12.2. Persistence and degradability

Not relevant.

12.3. Bioaccumulative potential

Not relevant. Some organisms accumulate Si(OH)_4 .

12.4. Mobility in soil

Negligible.

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

No specific adverse effects known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Packaging

Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, ADN, IMDG, IATA/ICAO.

14.1. UN number

Not relevant.

14.2. UN proper shipping name

Not relevant.

14.3. Transport hazard class(es)

ADR: Not classified
IMDG: Not classified
ICAO/IATA: Not classified
RID: Not classified

14.4. Packing group

Not applicable.

14.5 Environmental hazards

Not relevant.

14.6 Special precautions for user

No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information No information available.

International legislation/requirements No information available.

15.2 Chemical safety assessment

No information available.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

Not applicable

Indication of the changes made to the previous version of the SDS

Not applicable.

Third party materials

Insofar as materials not manufactured or supplied by SCR-Sibelco NV are used in conjunction with, or instead of SCR-Sibelco NV materials, it is the responsibility of the customer himself to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of SCR-Sibelco NV's SCOREX PLUS in conjunction with materials from another supplier.

Training

Workers must be trained in the proper use and handling of this product as required under applicable regulations.

Prolonged and/or excessive exposure to respirable dust may cause mucous membrane and respiratory irritation and lung injury with symptoms of shortness of breath and reduced pulmonary function. Inhalation of dust may cause irritation of nose, throat and respiratory passages.

Abbreviations and acronyms

EC: European Commission

REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances

STOT: Specific Target Organ Toxicity

PBT: Persistent, Bioaccumulative, Toxic

vPvB: very Persistent and very Bioaccumulating

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations for the International Transport of Dangerous Goods by Rail)

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

IMDG: International Maritime Dangerous Goods Code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

SDS No.

AP00258 / APNH

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet