# SAFETY DATA SHEET

## Star Grit Blasting agent

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| Trade name: | Star Grit Blasting agent |
| Other means of identification: | EC No.: 266-968-3<br>CAS No.: 67711-92-6 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Relevant identified uses of the substance or mixture: | Blast agents<br>Restricted to professional users. |
| Uses advised against : | None known. |

### 1.3. Details of the supplier of the safety data sheet

| | |
|---|---|
| Company and address: | **Einar Øgrey Industrisand AS**<br>Birkedalsveien 31<br>4640 SØGNE<br>Norway<br>T +47 38 05 07 11<br>www.oegrey.no |
| E-mail: | paul@oegrey.no |
| Revision: | 16/04/2025 |
| SDS Version: | 1.0 |

### 1.4. Emergency telephone number

In urgent situations: Call 113 and request the poison information centre. (24h service)
Poison Center at Tel.: + 47 22 59 13 00
See section 4 on 'First Aid Measures'

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

### 2.2. Label elements

| | |
|---|---|
| Hazard pictogram(s): | Not applicable. |
| Signal word: | Not applicable. |
| Hazard statement(s): | Not applicable. |
| Precautionary statement(s): | |
| *General* | - |
| *Prevention* | - |
| *Response* | - |
| *Storage* | - |
| *Disposal* | - |
| Hazardous substances: | Does not contain any substances required to report |
| Additional labelling: | EUH210, Safety data sheet available on request. |

### 2.3. Other hazards

| | |
|---|---|
| Additional warnings: | This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.<br>This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707. |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Product/substance | Identifiers | % w/w | Classification | Note |
|---|---|---|---|---|
| Copper slag | CAS No.: 67711-92-6<br>EC No.: 266-968-3<br>REACH: | 98 - 100% | | |

Index No.:

### 3.2. Mixtures
Not applicable. This product is a substance.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information
-

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | |
|---|---|
| General information: | In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.<br>Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.<br>Never give an unconscious person water or other drink. |
| Inhalation: | Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her. |
| Skin contact: | Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance. |
| Eye contact: | If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport. |
| Ingestion: | If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.<br>In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material. |
| Burns: | Not applicable. |

### 4.2. Most important symptoms and effects, both acute and delayed
High amounts of dust can cause coughing and general irritation of the respiratory airways.
Repeated exposure may cause dry or cracked skin. Dust may cause mechanical irritation to the skin and eyes.

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

### Information to medics
Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture
Not flammable according to applicable regulations.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters
To avoid contact with the substance, wear self-contained breathing apparatus and protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
Avoid dust generation. Avoid contact with skin and eyes. Avoid inhalation of dust.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

### 6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

### 6.3. Methods and material for containment and cleaning up
Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections
See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid dust generation. Avoid contact with skin and eyes. Avoid inhalation of dust.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.
Wash hands after use.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

| | |
|---|---|
| Recommended storage material: | Always store in containers of the same material as the original container. |
| Storage conditions: | Dry, cool and well ventilated<br>Store in a closed container. |
| Incompatible materials: | Acids |

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Copper slag
Long term exposure limit (8 hours) (mg/m³): 10 mg/m³ (Totalstøv) | 5 mg/m³ (Respirabelt støv)

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values) FOR-2011-12-06-1358. Last update: FOR-2024-04-05-581.

**DNEL**

No data available.

**PNEC**

Copper slag

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 50 g/L |

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

| | |
|---|---|
| General recommendations: | Smoking, drinking and consumption of food is not allowed in the work area. |
| Exposure scenarios: | There are no exposure scenarios implemented for this product. |
| Exposure limits: | Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above. |
| Appropriate technical measures: | Apply standard precautions during use of the product. Avoid inhalation of gas or dust. Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked. Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment. |
| Hygiene measures: | In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face. |
| Measures to avoid environmental exposure: | No specific requirements. |

**Individual protection measures, such as personal protective equipment**

Generally: Use only CE marked protective equipment.

Respiratory Equipment:

| Work situation | Type | Class | Colour | Standards | |
|---|---|---|---|---|---|
| When there is risk of dust formation | S/SL | P2 | White | EN149 | |

Skin protection:

| Recommended | Type/Category | Standards | |
|---|---|---|---|
| Wear appropriate protection clothing, e.g. coveralls in polypropylene or working | - | - | |

| Recommended | Type/Category | Standards |
|---|---|---|
| clothes in cotton or polyester. | | |

Hand protection:

| Work situation | Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|---|---|---|---|---|
| When handling powdered slag, use of protective gloves with high mechanical abrasion resistance is recommended. | PVC, Nitrile, Latex | - | - | ISO 374, EN 388. |

Eye protection:

| Work situation | Type | Standards |
|---|---|---|
| When there is risk of dust formation | Safety glasses | EN166 |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state: | Powder |
| Colour: | Black |
| Odour / Odour threshold: | None |
| pH: | No data available. |
| Density (g/cm$^3$): | 3.82 |
| Kinematic viscosity: | Does not apply to solids. |
| Particle characteristics: | No data available. |

**Phase changes**

| | |
|---|---|
| Melting point/Freezing point (°C): | No data available. |
| Softening point/range (°C): | Does not apply to solids. |
| Boiling point (°C): | Does not apply to solids. |
| Vapour pressure: | No data available. |
| Relative vapour density: | Does not apply to solids. |
| Decomposition temperature (°C): | No data available. |

**Data on fire and explosion hazards**

| | |
|---|---|
| Flash point (°C): | Does not apply to solids. |
| Flammability (°C): | No data available. |
| Auto-ignition temperature (°C): | No data available. |
| Lower and upper explosion limit (% v/v): | Does not apply to solids. |

**Solubility**

| | |
|---|---|
| Solubility in water: | Insoluble |
| n-octanol/water coefficient (LogKow): | No data available. |
| Solubility in fat (g/L): | No data available. |

### 9.2. Other information

| | |
|---|---|
| Other physical and chemical parameters: | No data available. |
| Oxidizing properties: | No data available. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

**10.3. Possibility of hazardous reactions**
None known.

**10.4. Conditions to avoid**
None known.

**10.5. Incompatible materials**
Acids

**10.6. Hazardous decomposition products**
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

**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.

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

**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**

| | |
|---|---|
| Product/substance | Star Grit Blasting agent |
| Conclusion: | No known carcinogenic properties. The concentrations of carcinogenic and toxic substances are <0.01%. The analysis has been conducted for the following substances: nickel, cadmium, lead, chromium, cobalt, beryllium, and arsenic. |

**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.

**11.2. Information on other hazards**

**Long term effects**
Prolonged exposure to dust may cause dry or cracked skin, as well as irritation to the eyes and respiratory tract.

**Endocrine disrupting properties**
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**
None known.

## SECTION 12: Ecological information

**12.1. Toxicity**
No data available.

**12.2. Persistence and degradability**

| | |
|---|---|
| Product/substance | Star Grit Blasting agent |
| Conclusion: | The substance is inorganic. Biodegradation studies are not applicable. |

**12.3. Bioaccumulative potential**

| | |
|---|---|
| Product/substance | Star Grit Blasting agent |
| Conclusion: | No potential for bioaccumulation |

**12.4. Mobility in soil**
No data available.

**12.5. Results of PBT and vPvB assessment**
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6. Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects
None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
Product is not covered by regulations on dangerous waste.
Disposal to the sewer is discouraged.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

| | | |
|---|---|---|
| EWC code: | 12 01 17 | Waste blasting material other than those mentioned in 12 01 16 |

### Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

### Additional information
Not dangerous goods according to ADR, IATA and IMDG.

### 14.6. Special precautions for user
Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments
No data available.

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Restrictions for application: | Restricted to professional users. |
| Demands for specific education: | No specific requirements. |
| SEVESO - Categories / dangerous substances: | Not applicable. |
| Additional information: | Not applicable. |
| Sources: | Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.<br>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).<br>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). |

### 15.2. Chemical safety assessment
No

## SECTION 16: Other information

### Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

Not applicable.

**The safety data sheet is validated by**

Safety Data Sheet Consulting AS

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: NO-en