



Procut / Pro Grinder

GSON EUROPE

Date: 2023-05-09 Ver.1

SECTION 1. Identification of the substance/preparation and of the company/undertaking

| | |
|--|---|
| 1.1 Product identifier | Procut / Pro Grinder |
| Item number | - |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | grinding / sanding of different kinds of materials |
| 1.3 Details of the supplier of the safety data sheet | GSON EUROPE AB |
| Address | Nastagatan 9 SE-70227 Örebro |
| Homepage | www.gson.se |
| E-mail | info@gson.se |
| Telephone | +46(0)19-185545 |
| 1.4 Emergency telephone number | Swedish poison information (in less acute cases during office hours) +46(0)10-4566700 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification CLP (1272/2008/EC)

This product is not classified as hazardous according to CLP

2.2 Label elements

Pictogram

None

Signal Word: None

Contents

-

Hazard statement Code(s)

None.

Precautionary statements

-

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Components | CAS-No EC-No Reg-No | Conc. % | Hazard Class & Category Code* | Hazard statement Code(s)* |
|----------------------------------|---------------------------|------------|--|---------------------------------|
| Aluminium oxide | 1344-28-1 | <= 80 | - | - |
| silicon carbide | 409-21-2 | <= 75 | - | - |
| zirconium(IV)oxide | 1314-23-4 | <= 75 | Resp. Sens. 1 Skin Sens. 1 | H334 H317 |
| pyrite (FeS ₂) | 1309-36-0 | <= 20 | Eye Irrit. 2 | H319 |
| cryolite | 15096-52-3 | <= 15 | Acute Tox. 4 STOT RE 1 Aquatic Chronic. 2 | H332 H372 H411 |
| calcium oxide | 1305-78-8 | <= 10 | Skin Corr. 1A Eye Dam. 1 STOT SE 3 | H314 H318 H335 |
| potassiumtetrafluoroborate | 14075-53-7 | <= 10 | Acute Tox. 4 Skin Irrit. 2 Eye irrit. 2 STOT SE 3 | H302 H315 H319 H335 |
| calcium fluoride | 7789-75-5 | <= 10 | - | - |
| barium sulfate | 7727-43-7 | <= 10 | - | - |
| Calcium Carbonate | 471-34-1 | <= 10 | - | - |
| potassium sulfate | 7778-80-5 | <= 10 | - | - |
| graphite | 7782-42-5 | <= 5 | - | - |
| trisodium hexafluoroaluminate | 13775-53-6 | <= 5 | Acute Tox. 4 STOT RE 1 Aquatic Chronic. 2 | H332 H372 H411 |
| fiberglass | 65997-17-3 | <= 5 | - | - |

* The full text of Hazard statement Codes are listed under section 16.

The classification is based on data from the chemical supplier and www.echa.europa.eu (databases)



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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give fluids or induce vomiting if patient is unconscious. Keep person warm and calm.

Inhalation

Fresh air. Contact a doctor if the complaints persist.

Skin contact

Wash with soap and water and rinse the skin thoroughly. Contact a doctor if the complaints persist.

Eye contact

Rinse with lukewarm water for several minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Contact a doctor if the complaints persist.

Ingestion

Rinse mouth with water and drink plenty of water. Go to hospital/doctor.

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------------------|--|
| Inhalation: | Abrasive dust may be irritating by inhalation. (Irritations, cough). |
| Skin contact: | May be irritating at skin contact (Pain, redness). |
| Eye contact: | Abrasive dust may be irritating to eyes. (Pain, redness) |
| Ingestion: | Not relevant. |

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water. Sand. Foam. Carbon dioxide.

Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic gases can be formed. Avoid breathing fire smoke.

5.3. Advice for firefighters

Use an appropriate breathing apparatus and protective suits.

Additional information

Cool endangered containers with water in case of fire. Move containers from fire area if it can be done without risk.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Sweep up spills and pour into sealable containers

6.4 Reference to other sections

See section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment. Follow handling instructions.

Do not eat, drink or smoke while using this product

7.2 Conditions for safe storage, including any incompatibilities

Store the product in a dry area.

7.3 Specific end use(s)

-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Provide adequate ventilation

Swedish limit values or limit values according to the European commission

| Substance | CAS-nr | NGV | KGV | Anm. |
|-----------------------|-----------|---------------------|---------------------|------|
| Calcium oxide | 1305-78-8 | 1 mg/m ³ | 4 mg/m ³ | - |
| - Breathable fraction | | | | |



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SECTION 8: Exposure controls/personal protection

British limit values (EH40/2005 Workplace exposure limits)

| Substance | CAS number | Long-term exposure limit | Short-term exposure limit | Comments |
|--|------------|---|---------------------------|----------|
| Aluminium oxides inhalable dust respirable dust | 1344-28-1 | 10 mg/m ³ 4 mg/m ³ | - | - |
| Silicon carbide (not whiskers) total inhalable respirable | 409-21-2 | 10 mg/m ³ 4 mg/m ³ | - | - |
| Calcium oxide | 1305-78-8 | 2 mg/m ³ 1 mg/m ³ | - | - |
| Barium sulphate inhalable dust respirable dust | 7727-43-7 | 10 mg/m ³ 4 mg/m ³ | - | - |

8.2 Exposure controls

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

Individual protection measures, such as personal protective equipment

Always consult a competent person/supplier when selecting personal protective equipment

Respiratory protection

In case of insufficient ventilation or if there is a risk of inhalation of spray mist, wear suitable respiratory equipment.

Hand protection

Use protective gloves.

Eye protection

Wear protective goggles if there is a risk of splash

Body protection

Wear suitable protective clothing.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Physical state: | Solid |
| Colour: | Mixture contains one or more component(s) which have the following colour(s): Yellow-green Unpurified: blue-black White to yellow-brown Pure substance: colourless to whitegrey Unpurified: yellow to brown Commercial substance: yellow to brown Golden-yellow Colourless or white Grey-black Colourless to white-grey White to yellow White Colourless to white |
| Odour | Odourless |
| Melting point/freezing point | Not determined |
| Boiling point or initial boiling point and boiling range | Not determined |
| Flammability | Not determined |
| Lower and upper explosion limit | Not determined |
| Flash point | Not determined |
| Auto-ignition temperature | Not determined |
| Decomposition temperature | > 400 °C |
| pH | Not determined |
| Kinematic viscosity | Not determined |
| Solubility | Not determined |
| Partition coefficient n-octanol/water (log value) | Not determined |
| Vapour pressure | Not determined |
| Density and/or relative density | Not determined |
| Relative vapour density | Not determined |
| Particle characteristics | Not determined |

9.2 Other information: No explosive properties.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong acids, alkalis and strong bases.

10.6 Hazardous decomposition products

None known.



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SECTION 11: Toxicological information

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

See section 4 as well. (Most important symptoms and effects, both acute and delayed)

Irritating/Corrosive properties

Not classified as irritating / corrosive according to CLP.

Acute toxic

Not classified as acute toxic according to CLP.

Toxicology data

Information/data about this preparation is not available.

Toxicological data from animal experiments regarding relevant constituent substances:

| | |
|--|---|
| Potassium sulfate (7778-80-5) | LD50 Oral Rat: 6600 mg/kg |
| Trisodium hexafluoroaluminate (13775-53-6) | ATE Gases 4h: 4500 ppmv ATE Vapors 4h: 11 mg/l ATE Dust 4h: 1.5 mg/l |
| Cryolite (15096-52-3) | ATE Gases 4h: 4500 ppmv ATE Vapors 4h: 11 mg/l ATE Dust 4h: 1.5 mg/l |
| Calcium carbonate (471-34-1) | LD50 Oral Rat: 6450 mg/kg LD50 Dermal Rat: >2000 mg/kg LC50 Inhalation Rat 4h: >3 mg/l ATE Oral 6450 mg/kg |
| Barium sulfate (7727-43-7) | LD50 Oral Rat: >5000 mg/kg |
| Calcium fluoride (7789-75-5) | LD ₅₀ Oral Rat: 4250 mg/kg ATE Oral: 4250 mg/kg |
| Graphite (7782-42-5) | LD ₅₀ Oral Rat: >2000 mg/kg |
| Potassium tetrafluoroborate (14075-53-7) | ATE Oral: 500 mg/kg |
| Calcium oxide (1305-78-8) | LD50 Oral Rat: >2000 mg/kg LD50 Dermal Rabbit: >2000 mg/kg |
| Silicon carbide (409-21-2) | LD50 Oral Rat: >2000 mg/kg LD50 Dermal Rat: >2000 mg/kg |
| Aluminum Oxide (1344-28-1) | LD50 Oral Rat: >15900 mg/kg LC50 Inhalation Rat: 7.6 mg/l ATE Vapors 4h: 7.6 mg/l ATE Fog 4h: 7.6 mg/l |



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SECTION 11: Toxicological information

STOT-single exposure -repeated exposure.

No known

Routes of exposure

Inhalation, eyes and skin (ingestion).

Allergenic potential

This product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

Aspiration hazard

None.

11.2. Information on other hazards

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Prevent uncontrolled discharges to the sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

| | |
|--|--|
| Potassium sulfate (7778-80-5) | EC ₅₀ Daphnia 48h: 890 mg/l LC ₅₀ Fish 96h: 653-796 mg/l Species: Lepomis Macrochirus EC ₅₀ Algae 72h: 2900 mg/l |
| Trisodium hexafluoroaluminate (13775-53-6) | EC ₅₀ Daphnia 48h: 156 mg/l EC ₅₀ Algae 72h: 3.2 mg/l Species: Selenastrum capricornutum |
| Cryolite (15096-52-3) | EC ₅₀ Daphnia 48h: 156 mg/l EC ₅₀ Algae 72h: 3.2 mg/l Species: Selenastrum capricornutum |
| Barium sulfate (7727-43-7) | EC ₅₀ Daphnia 48h: 32 mg/l NOEC Algae 72h: >1.92 mg/l Species: Pseudokirchneriella subcapitata |
| Calcium fluoride (7789-75-5) | LC ₅₀ Fish: 30000 ppm |
| Graphite (7782-42-5) | LC ₅₀ Fish 96h: >100 mg/l Species: Danio Rerio EC ₅₀ Daphnia 48h: >100 mg/l EC ₅₀ Algae 72h: >100 mg/l Species: Pseudokirchneriella subcapitata |
| Calcium oxide (1305-78-8) | EC ₅₀ Daphnia 48h: 49.1 mg/l EC ₅₀ Algae 72h: 184, 57 mg/l |



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SECTION 12: Ecological information

12.2 Persistence and degradability

Trisodium hexafluoroaluminate (13775-53-6) - Adsorbs in soil.

Zirconium(IV) oxide (1314-23-4) - Adsorbed in the soil.

12.3 Bioaccumulative potential

Potassium sulfate (7778-80-5) – Not bioaccumulative

Calcium carbonate (471-34-1) – LogPow: -2.12

Barium sulfate (7727-43-7) BCF: 58.4 – low potential for bioaccumulation.

calcium oxide (1305-78-8) – Not bioaccumulative

Zirconium(IV) oxide (1314-23-4) – Not bioaccumulative

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6. Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$

12.7. Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This product or residues of this product are classified as hazardous waste.

Dispose of in accordance with local authority requirements.

EWG- code: Depends on line of business and use, for example:

Disposal of Packaging

Well cleaned packaging could be left for recycling

SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

14.1. UN number or ID number

-

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

-



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SECTION 15: Regulatory information

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

Classification according to CLP (1272/2008/EC)

Reach (1907/2006/EC)

15.2 Chemical safety assessment

None.

SECTION 16: Other information

The full text of Hazard statement Codes listed under section 3:

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H332 Harmful if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

H372 Causes damage to organs through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects

This information is provided for health and safety assessments by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation.

Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.echa.europa.eu (Databases)

Version 1: 2023-05-09 Safety data sheet according to Regulation (EC) No. 1907/2006 annex II (EC/2020/878) and (EC) 830/2015

Abbreviations explanations

ADR: :International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

DNEL: Derived No Effect Level

EC₅₀: Effect Concentration

EG-nr: A substance number i Einescs, Elincs or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

PNEC: Predicted No Effect Concentration

vPvB-substance; Very persistent and Very Bio accumulative substances.