

Safety data sheet
According to 1907/2006/CE, Article 31

Stampato il: 12/04/2016

Versione No: 1.0

Revisione: 12/04/2016

Trade name: PowderPack VCI2000

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

- 1.1 Product identifier:

- Trade name: PowderPack VCI2000

- 1.2 Relevant identified uses of the substance or mixture and uses advise against:

- AC38 Packaging Material for metal parts, releasing grease/corrosion inhibitors

- 1.3 Details of the supplier of the safety data sheet:

- **Manufacturer/Supplier: Grofit Plastics**

M.P. Eilot 88825 Israel

- Tel: +972-8-6357712

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- 1.4 Emergency telephone number:

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- www.grofitplastics.com

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture:

- Classification according to Regulation (EC) No 1272/2008



GHS07

H302 Toxic when ingested

H315 Cause skin irritation

- 2.2 Label elements:

- Labelling according to Regulation (EC) No. 1272/2008

The product is labelled and classified according to Regulation EC and International corresponding legislation.

Hazard pictograms.

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GHS07

- Warning:
Hazards statements
H302 Toxic when ingested
H315 Cause skin irritation
- Precautionary Statements
P233 Keep container well closed
P234 Store in the original container
P261 Do not inhale powder/smoke/dust/vapors/aerosols
P262 Avoid skin/eyes/clothes contact
P264 Wash accurately hands after use
P270 Do not drink/eat/smoke during use
P305+P351+P338 In case of eye contact: rinse accurately for several minutes. If easy, remove contact lenses. Rinse again.
P337+P313 If irritation persist, consult a doctor
P332+P352 In case of skin irritation: wash with plenty water and soap
P401 Store in the original container
P501 Dispose the product/container according to local authorities regulations
2.3 Other hazards resulting from PBT and vPvB assessments:

 - **PBT:** Not applicable

 - **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- 3.1 Mixtures:

 - **Description:** Mixture of substances with not hazardous additions:

CAS: 1302-78-9 CE: 215-108-5	Natural calcined moler earth	> 60%
CAS: 124-07-2 EINECS: 204-677-5	Octanoic acid Skin Corr. 1B H31<= 100%	< 5%

 - **Additional information:** for the wording of the listed risk phrases refer to section 16.

SECTION 4: first aid measures

- 4.1 Description of first aid measures

 - **Inhalation:** supply fresh air in well aerated place and in case of symptoms consult a doctor.

 - **Skin contact:** wash with plenty of soap and water. If irritation persist consult a doctor.

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- **Eye contact:** rinse opened eye for several minutes under running water, if irritation persist consult a doctor.
- **Swallowing:** do not try to induce vomiting, rinse mouth with water, call for a doctor
- **4.2 Most important symptoms and effects, both acute and delayed:**
Most important symptoms are described on sections 2.2 or section 11.
- **4.3 Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
Suitable extinguishing agents: CO₂, extinguishing powder ad water spray. Fight larger fire with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire can be released carbon dioxide (CO₂) and with a lack of oxygen carbon monoxide (CO), silicon oxides.
- **5.3 Advice for firefighters**
Firefighters should use an autonomous respiratory device to avoid powder/smoke/vapors exposition.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:**
Avoid dust formation.
Avoid powder/smoke/vapors/gas inhalation.
Avoid eye contact.
Avoid skin contact.
- **6.2 Environmental precautions :**
Do not allow the product to reach sewage system/ surface water/ groundwater
- **6.3 Methods and material for containment and cleaning up:**
Withdraw and ensure to dispose materials avoiding dust formation. Sweep and shovel. Store in appropriate and sealed container for disposal.
- **6.4 Reference to other section:**
See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace. Observe usual hygienic – sanitary work measures. Do not drink, eat, smoke while working. Ensure a good ventilation in places where is present dust formation.
For precautions see section 2.2.
- **7.2 Conditions for safe storage, including any incompatibilities**

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Storage

- **Requirements to be met by storerooms and receptacles:** store in a well – ventilated place. Keep it cool in the original package.
- **Information about storage in one common storage facility:** keep away from foodstuff, beverages, feed.
- **7.3 Specific end use(s)**
No further relevant information available except the ones described in section 1.2.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters:

Ingredients with exposure limit values :

The product does not contain any relevant quantities of materials with critical values of occupational exposure

Additional information: the lists valid during the making were used as basis.

- 8.2 Exposure controls:

General protective and hygienic measures:

The usual precautionary measures should be adhered while handling chemicals. Do not drink, eat, smoke during work. Wash hands before breaks and at the end of work. Keep away from foodstuff, beverages and feed.

Personal protective equipment:

Eye/ face protection:

To protect from powders and hands friction use devices for eye protection tested and approved according to technical standards requirements like NIOSH (USA) or EN 166 (UE).

Skin protection:

Manipulate with gloves. Gloves have to be checked before the use. Use the appropriate technique removing gloves (DO NOT touch the outer surface of gloves) in order to avoid skin contact. Dispose gloves after use according to current legislation and optimal lab techs. Wash and dry hands. Chosen protective gloves shall comply with Directive UE 89/686/CEE and derived standards EN 374.

- Full contact

Material: nitrile rubber

Minimum thickness: 0,11 mm

Permeation time: 480 min

Physical protection

Not required. If you want a protection choose a physical protection according to physical features, concentration, quantity of hazardous substances and type of working place. Protective equipment has to be selected in order to concentration and quantity of hazardous substances at working place.

Respiratory protection

Not required. If you want protection from dust, wear dust mask with filters typo P1 (EN143). Use respiratory and components tested and approved by competent authorities like NIOHS (for USA), CEN (for UE).

Environmental exposure control

No specific measures are required for environmental protection.

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SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties:	
- General information	
- Appearance:	
- Form:	Solid
- Colour:	Brown or white
- Odour:	Characteristic
- Odour threshold:	Not determined
- pH value:	Not determined
- Change in condition	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Not applicable
- Flash point:	Not applicable
- Flammability (solid, gaseous):	Not Flammable
- Ignition temperature:	Not applicable
- Danger of explosion:	Product is not explosive
- Density at 20°C:	2.400 g/cm ³
- Solubility in / Miscibility with water:	Insoluble in water/ insoluble in grease

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** None
- **10.2 Chemical stability:** The product is stable if used according to specifications.
- **10.3 Possibility of hazardous reactions:** Not dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** Strong acids
- **10.6 Hazardous breakdowns products:**
- Hazardous breakdowns products in case of fire: silicon oxide, nitrogen oxide (NO_x).
- In case of fire see section 5

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects

Toxicological information concerning main substances in the mixture:

Natural calcined moler earth – CAS: 1302 – 78 – 9:

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- Acute toxicity:

DL50 intravenous – rat – 35

Comments: lungs, chest or breathing: acute pulmonary edema.

- Skin corrosion/irritation:

No data are available.

- Skin/respiratory sensitisation:

No data are available.

- Germ cell mutagenicity:

No data are available.

- Carcinogenicity:

IARC: No component in this product with higher or equal levels to 0,1% is identified as carcinogenic known or foreseen by IARC.

- Reproductive toxicity:

No data are available.

- Specific toxicity for target organs – single exposure:

No data are available.

- Specific toxicity for target organs – repeated exposure:

No data are available.

- Hazard in case of inhalation

No data are available.

- Further information:

RTECS: CT9450000

Pulmonary irritation, asthma.

Octanoic Acid – CAS: 124-07-2

- Acute toxicity:

- LD50 Test – Oral – Rat - >2.000 mg/kg (OECD Test Guideline 401)

- LC50 Test – inhalation – Rat – 4h - > 0,1621 mg/l

- LD50 Test – dermal – rabbit - > 5.000 mg/kg

- Skin corrosion/irritation:

Skin – rabbit

Result: cause burns – 4h (OECD Test Guideline 404)

- Ocular lesion severe/ ocular irritation severe:

Eyes – rabbit

Result: irritant

- Skin/respiratory irritation:

No data are available

- Germ cell mutagenicity:

No data are available.

- Carcinogenicity

IARC: No component in this product with higher or equal levels to 0,1% is identified as carcinogenic known or foreseen by IARC

- Reproductive toxicity

No data are available.

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- Specific toxicity for target organs – single exposure:

No data are available.

- Specific toxicity for target organs – repeated exposure:

No data are available.

- Hazard in case of inhalation

No data are available.

- Further information:

RTECS: RH0175000

The product seriously harms mucous membrane and upper respiratory tract as well as eyes and skin.

Cough, shortness of breath, headache, nausea.

SECTION 12: Ecological information

- 12.1 Toxicity

Bentonite – CAS: 1302 – 78 – 9

Toxicity to fish CL50 – *Oncorhynchus mykiss* (rainbow trout) – 19.000 mg/l – 96 h.

Octanoic Acid – CAS: 124 – 07 – 2

Toxicity to fish – Static test CL50 – *Lepomis macrochirus* (fish – salt Bluegill) – 22 mg/l – 96 h.

Toxicity to daphnia and others aquatic invertebrates – Immobilisation CE50 – *Daphnia magna* (big water flea) – 550 mg/l – 48 h (OECD TG 202).

Toxicity to seaweed – growth inhibitor CE50 – *Pseudokirchneriella subcapitata* (Clorophyceae seaweed) – 31 mg/l – 72 h (OECD TG 201)

- 12.2 Persistence and degradability :

No data are available.

- 12.3 Bioaccumulative potential:

No data are available.

-12.4 Mobility in soil:

No data are available.

- 12.5 Results of PBT and vPvB assessment:

This substance/mixture do not contain persistent/bioaccumulative/ toxic components (PBT) or very persistent/very bioaccumulative (vPvB) on concentration > 0,1%.

- 12.6 Other adverse effects:

No data are available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation: Must not be disposed together with household garbage. Do not allow the product to reach sewage system. Paper mills have approved it for general recycling, as a result, we recommend recycling.

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European waste catalogue	
15 00 00	Wastes from the manufacturer, absorbents, rags, filter materials, protective clothing (unspecified)
15 02 00	Absorbent materials, filter materials, rag, protective clothes.

- **Uncleaned packaging:**
- **Reccomendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN – Number		
ADR/RID: -----	IMDG: -----	IATA: -----
- 14.2 UN Proper shipping name		
ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
- 14.3 Transport hazard class (es) :		
ADR/RID: -----	IMDG: -----	IATA: -----
- 14.4 Packing group:		
ADR/RID: -----	IMDG: -----	IATA: -----
- 14.5 Environmental hazards:		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no
- 14.5 Special precautions for user: Not applicable		

SECTION 15: Regulatory information

This safety data sheet are in accordance with Regulation (CE) Num. 1272/2008

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 Directive 2012/18/UE

Specified hazardous substances – ATTACHMENT I : none

REGULATION (CE) n. 1907/2006 ATTACHMENT XVII – Restriction: none

- **15.2 Chemical safety assessment:**

A chemical safety assessment has not been carried out for this product.

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SECTION 16: Other information

This information contained herein is based on available data from reliable sources and is accurate to the best of Grofit Plastics's knowledge at the time of this publication. Grofit Plastics makes no warranty, expressed or implied, of merchantability or fitness for a particular purpose, course of performance or usage for trade. The user is solely responsible for determining the suitability and completeness of such information for their particular application and for adopting appropriate safety precautions. Physical properties listed within are typical values based on samples tested and should not be construed as guaranteed analysis of any specific lot or as specifications for the product. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factor may involve additional safety or performance considerations. This data is not to be taken as a warranty or representation for which Grofit Plastics assumes legal or financial responsibility.

- Further information are available :

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- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

H314: Provoca gravi ustioni cutanee e gravi lesioni oculari

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

PBT: Persistent, Bioaccumulative and Toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).

vPvB: very Persistent and very Bioaccumulative

VCI: Volatile Corrosion Inhibitors (USA, EU)