# Magnesium Chloride - Magnesium zout - cosmetisch - OGR18
# Magnesium Chloride - Magnesium salt - cosmetic - OGR18

## Safety Data Sheet

Revision 30.01.2023
supersedes all earlier versions

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**1.1. Product identifier**
Magnesium Chloride; Magnesium Chloride Hexahydrate; Magnesium Chloride Flake.
REACH Registration Notes: Exempted in accordance with Annex V.7

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Identified uses: Manufacture of cosmetics, fertilisers, drilling fluids, de-icer, dust control.

**1.3. Details of the supplier**
SoapQueen vof Veilingdreef 20
4614RX Bergen op Zoom Nederland
TEL: +31 (0)164 254900, website: www.soapqueen.nl

**1.4. Emergency telephone number**

+ United Kingdom: 44 (0)1287 631530 (office hours) or +44 (0)7913 295555 (out of hours).
+ België: Antigifcentrum - Brussel, TEL: +32(0)70/245.245
+ Nederland: Nationaal Vergiftigingen Informatie Centrum - Bilthoven
TEL: +31(0)30/274.88.88 (Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen)

## 2. HAZARD IDENTIFICATION

**2.1.Classification of the substance or mixture**

**Classification (EC 1272/2008)**
Physical and Chemical Hazards: Not classified.
Human health: Not classified.
Environment: Not classified.
Classification (67/548/EEC): Not classified.

**Human health**
This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

**Environment**
The product is not expected to be hazardous to the environment.

**Physical and Chemical Hazards**
This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. This product should be handled with care to avoid dust generation.

**2.2. Label elements**
Label In Accordance With (EC) No. 1272/2008
No pictogram required.

**2.3. Other hazards**
Not Classified as PBT/vPvB by current EU criteria.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Magnesium Chloride $MgCl_2$ 46.5 – 47.5% CAS No: 7791-18-6

Classification (67/548/EEC; 1999/45/EC): R36 – Irritating to eyes.

## 4. FIRST AID MEASURES

**4.1. Description of first aid measures**

**Inhalation**
May cause irritation to mucous membranes. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.

**Ingestion**
Since magnesium salts are absorbed slowly, abdominal pain, vomiting and diarrhoea may be the only symptoms. However, if elimination is blocked, CNS depression, lack of reflexes and hypocalcaemia (low blood calcium levels) may occur. This product may cause irritation to mucous membranes. Rinse mouth thoroughly. Have patient drink several glasses of water to dilute. Seek medical attention if symptoms develop, or if large quantities have been consumed.

**Skin contact**
May cause irritation to skin. Wash immediately with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Use suitable lotion to moisturise skin.

**Eye contact**
May cause irritation to the eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**4.2. Most important symptoms and effects, both acute and delayed**
General information
The severity of the symptoms described will vary depending of the quantity and the length of exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**
No further first aid measures noted.

## 5. FIRE FIGHTING MEASURES

**5.1. Extinguishing media**
Extinguishing media
The product is non-combustible. No specific extinguishing media is needed.

**5.2. Special hazards arising from the substance or mixture**
Specific hazards
Burning produces irritating, toxic and obnoxious fumes.

**5.3. Advice for firefighters**
Special Fire Fighting Procedures: Wear suitable respiratory equipment when necessary. Use an extinguishing agent suitable for the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**
Wear personal protective equipment in compliance with national legislation.

**6.2. Environmental precautions**
Do not allow large spillages to enter drains.

**6.3. Methods and material for containment and cleaning up**
Scoop up spillages and place in a container. Clean spillage area thoroughly with plenty of eater. Wear appropriate respiratory protection, safety glasses and overalls as a precaution.

**6.4. Reference to other sections**
For personal protection, see section 8. For waste disposal, see section 13.

## 7. HANDLING AND STORAGE

**7.1. Precautions for safe handling**
Avoid contact with eyes and skin. Ensure adequate ventilation. Handle packaged products carefully to prevent accidental bursting. Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities**
Store in a dry, covered area. 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters**

None specified.

**8.2. Exposure Controls**

**Engineering Measures**
Ensure adequate ventilation of the working area.

**Hand Protection**
Use suitable protective gloves. PVC or rubber gloves are recommended.

**Eye Protection**
Use eye protection. Goggles/face shield are recommended.

**Hygiene Measures**
When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid (crystalline flakes)
Colour: White
pH (10% aq.): 8.2
Bulk Density: 0.80 - 0.90 MT/$m^3$
Melting Point: 118˚C
Solubility: 167g/100ml water at 20ºC

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**
No specific reactivity hazards associated with this product.

**10.2. Chemical stability**
Stable under normal conditions.

**10.3. Possibility of hazardous reactions**
Addition to furan-2-peroxycarboxylic acid will cause the acid to explode.

**10.4. Conditions to avoid**
Moisture; heat.

**10.5. Incompatible materials**
Materials To Avoid: Oxidising agents.

**10.6. Hazardous decomposition products**
None under normal conditions. If heated, magnesium oxide and fumes of hydrogen chloride gas will be produced.

## 11. TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**

**Germ Cell Mutagenicity**
No data is available.

**Carcinogenicity**
No carcinogenic effects have been reported.

**Ingestion**
Oral Rat $LD_{50}$: 8100 mg/kg
Oral Mouse $LD_{50}$: 7600 mg/kg.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Magnesium Chloride is a component of seawater.

## 13. DISPOSAL CONSIDERATIONS

**General information**
Whatever cannot be saved for recovery or recycling may be disposed of to landfill at an approved site. It should be noted that contamination may occur during use and it is the responsibility of the user to assess an appropriate disposal method in this situation.

## 14. TRANSPORT INFORMATION

**General**
No special precautions. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**
No information required.

**14.2. UN proper shipping name**
No information required.

**14.3. Transport hazard class(es)**
No information required.

**14.4. Packing group**
No information required.

**14.5. Environmental hazards**
Not an Environmentally Hazardous Substance / Marine Pollutant

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

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
No information required.

## 15. REGULATORY INFORMATION

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

1. Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
2. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
3. Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
4. REACH – Exempted in accordance with Annex V.7
5. Workplace Exposure Limits 2005 (EH40)

**15.2. Chemical Safety Assessment**
No chemical safety assessment has been carried out.

## 16. OTHER INFORMATION

(i) **Indication of changes**
Changes made to data sheet to comply with changes to regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.

(ii) **Abbreviations and acronyms**
WEL TWA 8 HRS – Workplace Exposure Limit Time Weighted Average – 8 Hours
UVCB - unknown or variable composition, complex reaction products or biological materials.

(iii) **Key Literature References and Sources of Data**
Guidance Note EH40 Occupational Exposure Limits is published annually by the Health and Safety Executive. The latest relevant limits should be observed.
HS(G) 37 1993 "An introduction to Local Exhaust Ventilation" and Guidance Note EH44 2013 "Dust in the Work Place" are both available from HM Stationery Office.
Advice on respiratory protective equipment is also given in BS EN 529:200.
EN166: 2002 Personal Eye Protection.

(iv) **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 CLP**
This material is not classified under this regulation; respirable quartz content <0.1% of the product.

(v) **Training Advice**
All employees should be given adequate training in the proper use and handling of this product and any precautions and protective equipment required under applicable regulations.

## End of Safety Data Sheet