

SAFETY DATA SHEET

Safety data sheet prepared according European Union Commission regulation (EU) Nr. 2020/878.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1 Product identifier 1.1.1 Commercial Product Name: MOREK SR-1 contact grease. 1.1.2 Product code: MYA0001A10 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.2.1 Recommended use: Lubrication grease. 1.3 Details of the supplier of the safety data sheet 1.3.1 Supplier: MOREK IT OÜ Pärnu mnt 160j, 11317 Tallinn, Estonia General number: +372 6041 423 General fax: +372 6041 447 E-mail: morek@morek.ee 1.4. Emergency telephone number 1.4.1 Estonia Health Board, Poison Information Center +372 7943 794.
2. HAZARDS IDENTIFICATION
Product is not classified hazardous. 2.1 Classification of the substance or mixture: (EC) No. 1272/2008 <u>Health hazards:</u> Skin Sens. EUH208 2.2 Label elements: <u>Signal word:</u> Warning. <u>Hazard statements:</u> EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction. <u>Supplemental label information:</u> EUH210 Safety data sheet available on request 2.3 Other hazards: This product does not contain any substances classified as PBT or vPvB.
3. COMPOSITION/INFORMATION ON INGREDIENTS
3.2 Mixtures

Naphthenic acids, zinc salts, basic < 1 %

CAS number: 84418-50-8

EC number: 282-762-6

REACH registration number: 01-2119988500-34-XXXX.

Classification: Eye Irrit. 2 - H319 - Causes serious eye irritation

Skin Sens. 1A - H317 - May cause an allergic skin reaction

Aquatic Chronic 3 - H412 - Harmful to aquatic life with long lasting effects

3.3 Other information

Lithium complex grease

IP346 DMSO extract < 3 %

4. FIRST AID MEASURES

4.1 Description of first aid measures

Show this Safety Data Sheet to the medical personnel

4.1.2 Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

4.1.3 Skin contact

Remove contaminated clothing. Wash the skin with plenty of water and soap. If skin irritation persists, call a physician.

4.1.4 Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention..

4.1.5 Ingestion

Rinse mouth. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if symptoms are severe or persist.

4.2 Most important symptoms and effects, both acute and delayed

The product contains a sensitising substance. May cause an allergic skin reaction.

4.3 Indication of immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media**5.1.1 Suitable extinguishing media**

Alcohol-resistant foam. Carbon dioxide (CO₂). Powder. Dry sand.

5.1.2 Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards: none known.

Hazardous combustion products: Irritating gases or vapours. Toxic gases or vapours.

5.3 Advice for firefighters**5.3.1 Protective actions during firefighting**

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Avoid discharge into drains.

5.3.2 Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 Personal precautions**

Wear suitable protective clothing as protection against splashing or contamination. Take care as floors and other surfaces may become slippery.

6.1.2 For emergency responders

Keep unnecessary and unprotected personnel away from the spillage

6.2 Environmental precautions

Avoid releasing into the environment. Prevent product from entering drains. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Collect spillage. Place waste in labelled, sealed containers. Dispose of waste via a licensed waste disposal contractor. Absorb spillage with sand or other inert absorbent

6.4 Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation of vapours and spray/mists. Do not get in eyes, on skin, or on clothing. Take care as floors and other surfaces may become slippery Do not eat, drink or smoke when using this product. For personal protection, see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Keep away from food, drink and animal feeding stuffs. Store at temperatures between 0°C and 45°C. Keep away from heat, sparks and open flame.

7.3 Specific end use(s)

Electrical contact lubrication

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.2 Exposure controls****8.2.1 Appropriate engineering controls**

All handling should only take place in well-ventilated areas.

8.2.2 Individual protection measures**8.2.2.1 Eye/face protection**

Tight-fitting safety glasses

8.2.2.2 Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. If exposed to large concentrations: The selected gloves should have a breakthrough time of at least 8 hours.

8.2.2.3 Respiratory protection

No specific recommendations.

8.2.2.4 Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

8.2.3 Environmental exposure controls

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.1.1 Appearance	Grease. Paste. Yellow.
9.1.2 Odour	-
9.1.3 Odour threshold	-
9.1.4 pH	-
9.1.5 Melting point/freezing point	-
9.1.6 Initial boiling point and boiling range	-
9.1.7 Flash point	> 150°C
9.1.8 Evaporation rate	-
9.1.9 Flammability (solid, gas)	-
9.1.10 Explosive properties	
9.1.10.1 Lower explosion limit	-
9.1.10.2 Upper explosion limit	-
9.1.11 Vapour pressure	-
9.1.12 Vapour density	-
9.1.13 Relative density	< 1,0 (25 °C)
9.1.14 Solubility(ies)	
9.1.14.1 Water solubility	Insoluble
9.1.14.2 Fat solubility (solvent /oil to be specified)	-
9.1.15 Partition coefficient: n-octanol/water	-
9.1.16 Auto-ignition temperature	-
9.1.17 Decomposition temperature	-
9.1.18 Viscosity	Kinematic viscosity > 20.5 mm ² /s @ 40°C
9.1.19 Explosive properties	-
9.1.20 Oxidizing properties	-

9.2 Other information

NLGI 2. Maximum VOC content of 0. No other information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4 Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

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

Toxicological effects: Based on available data the classification criteria are not met. May cause discomfort if swallowed. (Gastro-intestinal tract)

11.1.1 Acute toxicity

Notes (oral LD₅₀): 5047 mg/kg, (calculated).

Notes (dermal LD₅₀): 4770 mg/kg, (calculated)

11.1.2 Irritation and corrosion

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.

11.1.3. Serious eye damage/irritation

Based on available data the classification criteria are not met.

11.1.4 Sensitization

Respiratory sensitisation: Vapours may cause headache, fatigue, dizziness and nausea. Based on available data the classification criteria are not met.

Skin sensitisation: The product contains a sensitising substance. May cause sensitisation by skin contact.

Prolonged skin contact may cause redness and irritation

11.1.5 Subacute, sub chronic and prolonged toxicity

Genotoxicity - in vivo: Based on available data the classification criteria are not met.

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

Reproductive toxicity – fertility: Based on available data the classification criteria are not met

Reproductive toxicity – development: 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.

11.1.6 Aspiration hazard

Based on available data the classification criteria are not met.

11.1.7 Ingestion

May cause discomfort if swallowed. Based on available data the classification criteria are not met.

Toxicological information on ingredients: Naphthenic acids, zinc salts, basic.

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral

12. ECOLOGICAL INFORMATION

12.1 Toxicity

The product is not expected to be hazardous to the environment. Based on available data the classification criteria are not met.

12.2 Persistence and degradability

12.2.1 Biodegradation

Not readily biodegradable.

12.2.2 Chemical degradation

No data available.

12.3 Bio accumulative potential

The product is not bioaccumulating.

12.4 Mobility in soil

The product contains substances which are bound to particulate matter and are retained in soil. Insoluble in water.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Avoid release to the environment. Contains 0.014 % of components with unknown hazards to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal methods: Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Do not reuse empty containers.

Waste class: 13 08 99

14. TRANSPORT INFORMATION

14.1 UN number	Not dangerous goods in the meaning of IMDG, IATA, ADR/RID
14.2 UN proper shipping name	-
14.3 Transport hazard class (es)	-
14.4 Packing group	-
14.5 Environmental hazards	-
14.6 Special precautions for users	-
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-

15. REGULATORY INFORMATION

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

Safety data sheet prepared according European Union Commission regulation (EU) Nr. 2020/878 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) (as amended).

No specific restrictions on use are known for this product.

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 (as amended). This product contains a maximum VOC content of 0 %.

15.2 Chemical safety assessment

No data available.

16. OTHER INFORMATION

Reserved just for industrial and professional use. USE ONLY FOR ITS INTENDED PURPOSE.

Hazard statements in full: H317 May cause an allergic skin reaction.

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

H412 Harmful to aquatic life with long lasting effects.

NOTE: The information contained in this safety data sheet is considered to be correct at the time of the publication of the information. The information provided herein is for guidance only work, use, storage, and waste management. It should not be considered as guarantee or quality certificate. The information is for specific substance only and may not be available if this material is used with other materials or used differently from the one indicated on this sheet. MOREK IT OÜ does not assume any liability for accidents or accidents caused by incorrect use, operation or recommended non-compliance.