ENSTO SR1 SAFETY DATA SHEET

Date 22.11.2022
Previous date: 10.9.2021 Part No: 7665594

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

1.1.1 Commercial Product Name: Ensto Joint Compound SR1

1.1.2 Product code: 701400

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

1.2.1 Recommended use: Lubricating grease

1.3 Details of the supplier of the safety data sheet

1.3.1 Supplier

ENSTO FINLAND OY
ENSIO MIETTISEN KATU 2, P.O.BOX 77
06101 PORVOO, FINLAND
TEL. +358 204 76 21
UTILITY.NETWORKS@ENSTO.COM
WWW.ENSTO.COM

1.4 Emergency telephone number

1.4.1 Telephone number, name and address

+358 800 147 111 (the call is free of charge), +358 9 471 977, +358 9 4711
Poison Information Center/HUS, P.O.Box 340 (Haartmaninkatu 4), FIN-00029 HUS (Helsinki, Finland)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture EC

Classification	(SI 2019 No.720)
Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements

EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.

Supplemental label information

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 CAS number 84418-50-8	EC-number: 282-762-6	**< 1 %** REACH-registration number: 01-2119988500-34-XXXX
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412		

The full text for all R-Phrases and Hazard Statements are displayed in Section 16.

3.3 Other information

Lithium complex grease, DMSO < 3% (IP 346).

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General Information

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 immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

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 any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General information

The product contains a small amount of sensitizing 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**
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.

5.4 **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**
Wear suitable protective clothing as protection against splashing or contamination. Take care as floors and other surfaces may become slippery. Keep unnecessary and unprotected personnel away from the spillage.

6.2 **Environmental precautions**
Stop leak if safe to do so. Avoid releasing into the environment. 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**
Usage precautions
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**

Storage precautions

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)**

Not known.

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.

8.2.2.1 **Respiratory protection**

No specific recommendations.

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 **Eye/face protection**

Tight-fitting safety glasses.

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. Colour: yellow

9.1.2 Odour: -

9.1.3 Odour threshold: -

9.1.4 pH: -

9.1.5 Melting 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 Upper/Lower flammability or explosive 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): Insoluble in water
9.1.15 Partition coefficient: -
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.
Volatile organic compound: This product contains a maximum VOC content of 0%.

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:**
Materials to avoid: Oxidising agents.
10.6 **Hazardous decomposition products:**
Does not decompose when used and stored as recommended.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological effects
Based on available data the classification criteria are not met**.**

Acute toxicity - oral
Summary
Based on available data the classification criteria are not met. May cause discomfort if swallowed. (Gastro-intestinal tract)

Notes (oral LD_{50}) 5047,10 mg/kg, (calculated)

Acute toxicity - dermal
Notes (dermal LD_{50}) 4769,90 mg/kg, (calculated)

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. Vapours may cause headache, fatigue, dizziness and nausea.

Skin sensitisation
Based on available data the classification criteria are not met. The product contains a small amount of sensitising substance. May cause an allergic skin reaction. Prolonged skin contact may cause redness and irritation.

Germ cell mutagenicity
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.

Specific target organ toxicity - single exposure
STOT - single exposure
Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
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.

Toxicological information on ingredients.

	Naphthenic acids, zinc salts, basic
Acute toxicity – oral	
Notes (oral LD_{50})	**LD_{50} > 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**
Not readily biodegradable.

12.3 **Bioaccumulative potential**
The product is not bioaccumulating.
Partition coefficient: -

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

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 **UN number :**
UN No. (ADR/RID): -

14.2 **UN proper shipping name:**
Proper shipping name (ADR/RID): -

14.3 **Transport hazard class(es):**
ADR/RID class: -

14.4 **Packing group:**
ADR/RID packing group: -

14.5 **Environmental hazards:**
Environmentally hazardous substance/marine pollutant: No

14.6 **Special precautions for users:**
Not applicable.

14.7 **Transport in bulk according to Annex II of MARPOL and the IBC Code:**
Not applicable.
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**
National regulations
EU regulatory references for the safety data sheet:
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.
Commission Regulation (EU) No 2015/830 of 28 May 2015.
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).

EU legislation
No specific restrictions on use are known for this product.
Max. content of Volatile Organic Compounds (VOC): 0 %

15.2 **Chemical safety assessment**
No data available.

16. OTHER INFORMATION

Key literature references and sources for data
The manufacturer's SDS. 31.8.2022

16.1 **Additions, Deletions, Revisions**
NOTE: Blue lines within the margin indicate significant changes from the previous revision

16.2 **Recommended restrictions**
Reserved for industrial and professional use.

Hazard statements in full
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.

16.3 **Further information**
Ensto Finland Oy, Product information tel. +358 (0) 204 76 21