

## JOINT COMPOUND SR1

### JOINT COMPOUND SR1 SAFETY DATA SHEET

Date 15.4.2025

Previous date: 3.3.2023

Version 3.0

MSDS according to Regulation (EC) No 2020/878

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

##### 1.1 Product identifier

**1.1.1 Commercial Product Name:** 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  
ENSTO@ENSTO.COM  
[WWW.ENSTO.COM](http://WWW.ENSTO.COM)

##### 1.4 Emergency telephone number

##### 1.4.1 Telephone number, name and address

##### Finland:

Poison Information Center, Finland +358 800 147111(the call is free of charge), and +358 9 471 977.  
(24/7), Emergency telephone number 112.

##### Europe:

112

##### Ukraine General Emergency Numbers:

Police – 102; Ambulance – 103; Fire – 101; Gas emergency – 104

##### Bulgaria:

Клиника по токсикология Многопрофилна болница за активно лечение и спешна медицина „Н.И. Пирогов“ Телефон за спешни случаи: +359 2 9154 233 Телефонът е активен 24/7 и обаждането към него е безплатно.

##### Czech Republic:

Toxikologické informační středisko: +420 224 919 293, +420 224 915 402

##### Denmark:

Giftlinjen: +45 8212 1212

##### Estonia:

Poison information telephone number: 16662, calling from abroad: (+372) 7943 794

##### Lithuania:

Neatidėliotina informacija apsinuodijus: +370 5 236 20 52.

##### Netherlands:

NVIC (088 755 8000),

Only for the purpose of informing medical personnel in case of acute intoxications.

##### Norway :

Poison Information Centre +47 22 59 13 00.

##### Poland :

112

**Romania** Centrul de Informare Toxicologie de la Spitalul Clinic de Urgență București: +40215992300

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**Slovakia** Národné toxikologické informačné centrum: +421 2 5477 4166  
**Sweden** När det är akut: 112, begär giftinformation.  
I mindre akuta fall 010-456 6700, Giftinformationscentralens direktnummer

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

(EY) nro. 1272/2008 [CLP/GHS]:  
Not classified

**2.2 Label elements**

Not classified

**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 mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB). The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight. The mixture does not contain any substances having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1% by weight.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Substance name	CAS-, EC- or index number	REACH Registration No.	Weight -%	Classification
Naphthenic acids, zinc salts, basic 84418-50-8	282-762-6	01-2119988500-34-XX XX	<1	Aquatic Chronic 3 (H412) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)

Full text of H- and EUH-phrases: see section 16

**Acute Toxicity Estimate**

Substance name	Oral LD50 mg/kg Dermal LD50	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Naphthenic acids, zinc salts, basic 84418-50-8	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 420 mg/m3 (Rat), 4h	No data available	No data available

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This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Additional information

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

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

**General advice:** Show this safety data sheet to the doctor in attendance.

**Inhalation:** Remove the person to fresh air and keep comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention if symptoms are severe or persist.

**Skin contact:** Remove/Take off immediately all contaminated clothing. Wash skin with soap and water. Get medical attention if irritation persists after washing.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

**Ingestion:** Rinse mouth. Maintain an open airway. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms:** The product contains a small amount of sensitising substance. May cause allergic skin reaction.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Note to doctors:** Treat symptomatically.

**5. FIREFIGHTING MEASURES****5.1 Extinguishing media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

**Large Fire:** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media:** Do not scatter spilled material with high pressure water streams.

**5.2 Special hazards arising from the substance or mixture**

None known.

**Hazardous combustion products:** Irritating gases and vapors. Toxic gases or vapors. Corrosive gases and vapors.

**5.3 Advice for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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

Use personal protective equipment as required. Ensure adequate ventilation. Extremely

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slippery when spilled.

**For emergency responders:** Keep unnecessary and unprotected personnel away from the spillage.

**6.2 Environmental precautions**

Stop leak if safe to do so. Prevent, by any means available, spillage from entering drains or surface waters. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

**6.3 Methods and material for containment and cleaning up**

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Take up with sand, earth or other non-combustible absorbent material. Place in appropriate chemical waste container. Dispose of wastes in an approved waste disposal facility.

**Prevention of secondary hazards:** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4 Reference to other sections**

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

**Advice on safe handling:** Avoid contact with eyes and prolonged or repeated contact with skin. Ensure adequate ventilation. Use personal protection equipment. See section 8 for more information.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep containers upright. Keep at a temperature not exceeding 45 °C. Do not contaminate food or feed stuffs.

**7.3 Specific end use(s)**

**Specific use(s):** Lubricating grease.

**Risk Management Methods (RMM):** The information required is contained in this Safety Data Sheet.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****National occupational exposure limit values**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers**

Chemical name	Oral	Dermal	Inhalation
Naphthenic acids, zinc salts, basic 84418-50-8	-	1.4 mg/kg bw/day [4] [6]	4.93 mg/m <sup>3</sup> [4] [6]

**Notes**

[4] Systemic health effects.

[6] Long term.

**Derived No Effect Level (DNEL) – General Public**

Chemical name	Oral	Dermal	Inhalation
Naphthenic acids, zinc salts, basic 84418-50-8	0.5 mg/kg bw/day [4] [6]	-	0.87 mg/m <sup>3</sup> [4] [6]

**Notes**

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[4] Systemic health effects.

[6] Long term.

## Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Naphthenic acids, zinc salts, basic 84418-50-8	20.6 µg/L	-	6.1 µg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Naphthenic acids, zinc salts, basic 84418-50-8	117.8 mg/kg sediment dw	56.5 mg/kg sediment dw	52 µg/L	35.6 mg/kg soil dw	-

## 8.2 Exposure Control

**Engineering controls:** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection:** Tight sealing safety goggles. If splashes are likely to occur, wear safety glasses with side-shields.

**Hand protection:** Wear suitable gloves tested to EN 374. It is recommended that gloves are made of the following material: Nitrile rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**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 cphysical and chemical properties

Appearance	Liquid, Grease Paste
Colour	light yellow
Odour	-
Odour threshold	-
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	> 150 °C Based on oils
Evaporation rate	Not available
Flammability (solid, gas)	Not available

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Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	< 1000 kg/m <sup>3</sup> (liquid density), @ 25 °C
Solubility(ies)	Solubility (water) Insoluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity, kinematic	> 20,5 mm <sup>2</sup> /s @ 40 °C
Explosive properties	Not available.
Oxidising properties	Not available.
Particle characteristics	Not available.

**9.2 Other information****9.2.1. Information with regard to physical hazard classes**

No relevant additional information available.

**9.2.2. Other safety characteristics**

VOC 0

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

There are no known reactivity hazards associated with this product.

**10.2 Chemical stability**

Material is stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization does not occur under normal processing.

**10.4 Conditions to avoid**

Extremes of temperature and direct sunlight.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.3 Hazardous decomposition products**

None under normal use conditions.

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

Based on available data, the classification criteria are not met

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met. Prolonged or repeated contact may dry skin and cause irritation. Supplier's details.

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**Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

**Respiratory or 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.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**Symptoms**

None known.

**Acute toxicity:**

Based on available data, the classification criteria are not met.

**Numerical measures of toxicity**

ATEmix (oral) 5047 mg/kg

ATEmix (dermal) 4769,8 mg/kg

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphthenic acids, zinc salts, basic	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 420 mg/m <sup>3</sup> (Rat), 4 h

**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.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

**Other information** None known.

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Ecotoxicity: 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.

**12.4 Mobility in soil**

After release, adsorbs onto soil.  
Insoluble in water.

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**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

**12.7. Other adverse effects**

None known.

**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not allow into any sewer, on the ground or into any body of water.

**Contaminated packaging** Do not reuse empty containers. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Waste codes / waste designations according to EWC.**

**14. TRANSPORT INFORMATION****14.1 UN number**

-

**14.2 UN proper shipping name**

-

**14.3 Transport hazard class(es)**

-

**14.4 Packing group**

-

**14.5 Environmental hazards**

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to IMO instruments**

Not applicable.

**NOTE:** This material is not subject to regulation as a hazardous material for shipping (IMDG, IATA, ADR / RID).

**15. REGULATORY INFORMATION**



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

#### EU regulations

**Regulation (EC) No. 1005/2009** on substances that deplete the ozone layer, Annex I and II, as amended

Not applicable

**Regulation (EU) 2019/1021** On persistent organic pollutants (recast), as amended

Not applicable

**Regulation (EU) No. 649/2012** concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended  
Not listed.

**Regulation (EU) No. 649/2012** concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended  
Not listed.

**Regulation (EU) No. 649/2012** concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended  
Not listed.

**Regulation (EU) No. 649/2012** concerning the export and import of dangerous chemicals, Annex V as amended  
Not listed.

**Regulation (EC) No. 166/2006** Annex II Pollutant Release and Transfer Registry, as amended  
Not listed.

**Regulation (EC) No. 1907/2006**, REACH Article 59(10) Candidate List as currently published by ECHA  
Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006**, REACH Annex XIV Substances subject to authorization, as amended  
Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006**, REACH Annex XVII Substances subject to restriction on marketing and use, as amended

- Conditions of restriction given for the associated entry number should be considered  
Not listed.

**Regulation (EC) No. 1907/2006**, REACH Annex XVII Substances subject to restriction on marketing and use as amended  
Not listed.

**Directive 2004/37/EC**: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

**Regulation 2019/1148** on Marketing and Use of Explosive Precursors, Annex I, as amended  
Not listed.

**European Union**: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Germany: Water hazard class (WGK)** slightly hazardous to water (WGK 1)

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## 16. OTHER INFORMATION

### Indication of changes

Change in composition and classification

### Abbreviations and acronyms

CAS: Chemical Abstract Service.

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IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
PBT: Persistent, bioaccumulative and toxic.  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.  
vPvB: Very persistent and very bioaccumulative.  
STEL STEL (Short Term Exposure Limit)  
SVHC: Substances of Very High Concern for Authorisation  
TWA TWA (time-weighted average)

### Key literature references and sources for data

<http://echa.europa.eu>

### Used method in evaluating classification

The classification for health and environmental hazards is derived by a combination of calculation□ methods and test data, if available.

### List of relevant safety and precautionary statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

**Supersedes date** 03/03/2023

**Revision date** 15/04/2025

**Reason for revision** (new SDS software has been introduced) Updated, sections: 2, 3, 4, 5, 7 8, 9, 11, 12

**Further information** Details of the supplier of the safety data sheet : 3.3.2023

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**