

# Safety Data Sheet

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## 1. Identification of the substance/mixture and of the company/undertaking

### Smörjteknik Norden AB

Utjordsvägen 14, 802 91 GÄVLE  
 Tel +46 77-1234567, Fax +46 730-300 494  
 E-mail : [info@smorjteknik.se](mailto:info@smorjteknik.se)

## OMEGA 612

**Emergency telephone: 112**  
**(Contact poison information centre)**

**Recommended uses: lubricant oil**

## 2. Hazards identification

The preparation is not classified as dangerous according to EU criteria.

### Health

This product is not classified as hazardous to health. Contact with eyes may cause mild irritation. Repeated or prolonged skin contact can cause irritation, defatting, or development of non-allergic eczema. Exposures to mists, vapours, or aerosols can cause irritation of the nose and throat.

### Environment

The product contains substances classified as environmentally dangerous in small amounts.

## 3. Composition/information on ingredients

Dangerous substances	Content (%)	EC No.	CAS No.	Classification
-				
<b>Other substances</b>				
Petroleum distillates, paraffinic <sup>1</sup>	60–100	265-169-7	64742-65-0	NC
Zinc alkyl dithiophosphate	< 3	-	-	Xi; R38, R52/53
Butylated phenol	< 2	-	-	N; R51/53

<sup>1</sup> Contains DMSO extract in a small amount (< 3 % according to IP 346) such that the substance is not classified as carcinogenic  
 Risk phrases, full text; R38 = Irritating to skin, R51/53 = Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R52/53 = Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## 4. First aid measures

### Inhalation

If respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, remove patient to fresh air and seek medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation.

### Skin contact

Wash contact area with soap and water. Remove and clean contaminated clothing daily.

### Contact with eyes

Flush thoroughly with water. If irritation occurs, obtain medical attention.

### Ingestion

Do not induce vomiting. Seek medical attention if discomfort occurs.

## 5. Fire-fighting measures

### Fire and explosive properties

The preparation is not classified as flammable.

<b>Extinguishing media</b>	Use powder, CO <sub>2</sub> , or foam. Water jets may spread the fire. Use water to cool exposed containers. Water spray may be used to flush spills. Prevent run-off from fire fighting entering waterways.
<b>Specific hazards</b>	When burned, product may form smoke, and toxic gases such as carbon oxides and hydrocarbons.
<b>Protective equipment for firefighters</b>	Fire-fighters should wear an approved self-contained breathing apparatus and full protective clothing.

## 6. Accidental release measures

<b>Personal precautions</b>	Handle with appropriate chemical resistant gloves. Large spillages may require additional protective equipment such as clothing, eyewear, and boots. Spillages can produce slip hazard.
<b>Environmental precautions</b>	Shut off source taking appropriate safety precautions. Take measures to minimize the effects on waterways.
<b>Clean-up method</b>	Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. Dispose of absorbed residues as directed in Section 13.

## 7. Handling and storage

<b>Handling</b>	Provide adequate ventilation in case of potential formation of vapour or spray. Use good hygiene practices. Wear protective clothing (see Section 8). Clean spills to prevent slip hazard.
<b>Storage</b>	Keep containers closed when not in use. Store away from strong oxidising agents and heat. Prevent leakages to avoid slip hazard.

## 8. Exposure controls/personal protection

<b>Engineering measures</b>	If mists or vapours are generated, use adequate ventilation, local exhaust or enclosures to control exposure.
<b>Personal protective equipment</b>	Avoid direct contact with the product. No special respiratory protection required under normal conditions, but mask with combination filter may be necessary if vapours or sprays are formed. Wear safety glasses if eye contact is feasible. Hydrocarbon-impervious gloves made of PVC or nitrile rubber are recommended, and should be used for prolonged or repeated exposures. PPE manufacturers should be consulted.
<b>Occupational exposure limits</b>	ACGIH limits for oil mists: TLV 5, STEL 10 mg/m <sup>3</sup> .

## 9. Physical and chemical properties

<b>Appearance</b>	Amber fluid
<b>Odour</b>	Oily
<b>pH</b>	Neutral
<b>Water solubility</b>	insoluble

SAE	5	10	20	30	40
<b>Flash point (°C)</b>	201	225	243	261	264
<b>Relative density (kg/m<sup>3</sup>)</b>	860	872	887	889	891
<b>Viscosity (cSt at 40 °C)</b>	15.5	32.5	67.5	101	151
<b>Pour point (°C)</b>	-30	-30	-27	-24	-24

## 10. Stability and reactivity

<b>Conditions to avoid</b>	Stable under recommended storage and handling conditions.
<b>Materials to avoid</b>	Reacts with strong oxidising materials.
<b>Hazardous decomposition products</b>	Product stable at ambient temperatures. On combustion may produce toxic gases (such as carbon oxides and hydrocarbons), smoke and fumes.

## 11. Toxicological information

<b>Inhalation</b>	Inhalation of vapours, fumes or aerosol may cause mild irritation of the nose and throat.
<b>Skin contact</b>	Repeated or prolonged skin contact can cause mild irritation, defatting, or potential development of non-allergic eczema.
<b>Eye contact</b>	Contact with eyes can cause mild irritation.
<b>Ingestion</b>	May cause irritation of the throat or mucous membranes. Diarrhoea, abdominal pain and vomiting possible.

## 12. Ecological information

<b>Mobility</b>	The product is insoluble in water. Components of the product may be mobile in both the aquatic and terrestrial compartments, and could contaminate groundwater.
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*Zinc alkyl dithiophosphate*

<b>Persistence/degradability</b>	Poorly degradable.
<b>Biaccumulation</b>	Potentially bioaccumulative (based on log Pow value).
<b>Toxicity</b>	L(E)C <sub>50</sub> , aquatic organisms: 10-100 mg/L.

*Butylated phenol*

<b>Persistence/degradability</b>	Poorly degradable.
<b>Biaccumulation</b>	Potentially bioaccumulative (based on log Pow value).
<b>Toxicity</b>	L(E)C <sub>50</sub> , aquatic organisms: 1-10 mg/L.

<b>Remark</b>	The product, as such, is not classified as dangerous for the environment.
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## 13. Disposal considerations

<b>EU waste code 13 02 05</b>	Mineral-based non-chlorinated engine, gear and lubricating oils. Waste generated from the intended use of this product is assigned the above waste disposal code. However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user. This waste is considered as a hazardous waste according to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1 (5) of the Directive applies.
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<b>Waste disposal</b>	Product is suitable for burning in an enclosed controlled burner for fuel value. The product is also suitable for processing by an approved recycling facility, or can be disposed of at a licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of the product characteristics at time of disposal.
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## 14. Transport information

Not classified as dangerous goods according to transport guidelines.

## 15. Regulatory information

Product is not classified as dangerous for health or the environment as defined by EU guidelines.

Labelling: Safety data sheet for professional users available upon request.

For protection of health in the UK, see:

Control of substances hazardous to health regulations 2002.

COSHH essentials: easy steps to control chemicals. HSE books 2003.

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP4).

## 16. Other information

Governing directives:

EU Directive 67/548/EEC (Dangerous Substances Directive), and 99/45/EC (Dangerous Preparations Directive) with modifications.

This Safety Data Sheet is based on EU Regulation 1907/2006 (REACH).

The following sections contain revisions or new statements: 1, 2, 3, 12, 15, 16