

# Safety Data Sheet

## STARTA Luftverktygsolja

Replaces date: 13/03/2017

Revision date: 26/06/2019

### SECTION 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

Trade name: STARTA Luftverktygsolja

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

Recommended uses: Lubricant

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Company: Hagemans Nordic AB  
Address: Box 112  
Zip code: 511 10  
City: Fritsla  
Country: SWEDEN  
E-mail: info@hagemansnordic.com  
Phone: +46 (0)320-18900  
Homepage: startaprodukter.se

#### 1.4. Emergency Telephone Number

### SECTION 2: Hazards identification

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

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

#### 2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

#### 2.3. Other hazards

Pay attention to the risk of slippery surfaces. Prolonged or repeated contact with the skin destroys the natural skin fats and may cause dermatitis.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	01-2119484627-25	67 - 100%		
Distillates (petroleum), hydrotreated light paraffinic.	64742-55-8	265-158-7	01-2119487077-29-xxxx	≤ 33%		Asp. Tox. 1;H304

Please see section 16 for the full text of H-phrases.

Ingredient comments: Not classified as carcinogenic when constituent / oil contains less than 3% DMSO extract,

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according to standard IP 346 established by the Institute of Petroleum in London.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air.
<b>Ingestion:</b>	Do not induce vomiting. Rinse mouth. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Wash contaminated clothing before reuse.
<b>Eye contact:</b>	Remove contact lenses. Rinse immediately with water for 10-15 minutes. Get medical attention if any discomfort continues.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

#### 4.2. Most important symptoms and effects, both acute and delayed

See section 11

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam, carbon dioxide or water mist.
<b>Unsuitable extinguishing media:</b>	Do not use water stream, as it may spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Pay attention to the risk of slippery surfaces.

#### 5.3. Advice for fire-fighters

Containers close to fire should be removed or cooled with water. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Fire residues and extinguishing water must be disposed of in accordance with local rules.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel:</b>	Keep unnecessary personnel away. Stop leak if this can be done without risk. Provide good ventilation. See section 8 for type of protective equipment.
<b>For emergency responders:</b>	If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Provide good ventilation. Keep unnecessary personnel away.

#### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Pay attention to the risk of slippery surfaces.

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### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Avoid inhaling vapour/aerosol/mist. Take off contaminated clothing and wash before reuse. Avoid contact with skin and eyes. See section 8 for type of protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store safely and keep out of reach of children. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging.

### 7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements

### 8.2. Exposure controls

**Appropriate engineering controls:** Provide good ventilation. Provide eyewash station. Do not eat, drink or smoke when using this product. Wash hands before breaks, before using restroom facilities, and at the end of work.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

**Personal protective equipment, skin protection:** Wear suitable protective clothing.

**Personal protective equipment, hand protection:** In the event of direct skin contact, wear protective gloves: Gloves must conform to EN 374. Type of material: Nitrile rubber/ Viton rubber (fluor rubber). Silver Shield/4H.

**Personal protective equipment, respiratory protection:** A respirator must be used if the concentrations exceed the hygienic limit values. Respirator with combined gas/particle filter (A2/P3).

**Environmental exposure controls:** Avoid release to the environment. Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Light yellow
Odour	Characteristic
Solubility	No data
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	

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Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	225 °C	(open cup)
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	> 3	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	25 mm <sup>2</sup> /s	@ 40 °C
Odour threshold	No data	

### 9.2 Other information

Parameter	Value/unit	Remarks
Density	0,856 kg/Lit	
Pour point	>= -15°C	

**Other Information:** Please see technical data sheets for further specifications.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Non-reactive under normal conditions for use.

### 10.2. Chemical stability

Stable under recommended storage and handling conditions.

### 10.3. Possibility of hazardous reactions

May react violently with certain nitrates and chlorates, risk of fire and explosion. Reacts violently with peroxides. Reacts violently with strong oxidizing agents.

### 10.4. Conditions to avoid

Avoid contact with oxidizing substances. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

### 10.5. Incompatible materials

Strong acids. Peroxides. May react violently with certain nitrates and chlorates, risk of fire and explosion.

### 10.6. Hazardous decomposition products

No information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - oral:** Based on existing data, the classification criteria are deemed not to have been met.

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<b>Acute toxicity - dermal:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Acute toxicity - inhalation:</b>	Based on existing data, the classification criteria are deemed not to have been met. Mist/vapours/aerosols may cause irritation of the respiratory tract. Vapours may cause headache, fatigue, dizziness and nausea. May cause drowsiness or dizziness.
<b>Skin corrosion/irritation:</b>	Based on existing data, the classification criteria are deemed not to have been met. Decreases the skin. Long-term exposure may cause irritation and possible infection.
<b>Serious eye damage/eye irritation:</b>	Temporary irritation. Based on existing data, the classification criteria are deemed not to have been met.
<b>Respiratory sensitisation or skin sensitisation:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Germ cell mutagenicity:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Carcinogenic properties:</b>	Based on existing data, the classification criteria are deemed not to have been met. The mineral oils in the product contain <3% DMSO extract(IP 346).
<b>Reproductive toxicity:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Single STOT exposure:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Repeated STOT exposure:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Aspiration hazard:</b>	Based on existing data, the classification criteria are deemed not to have been met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on existing data, the classification criteria are deemed not to have been met. Avoid discharge to drain or surface water.

#### 12.2. Persistence and degradability

Non-biodegradable.

#### 12.3. Bioaccumulative potential

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 3	The product is potentially bioaccumulative.		

#### 12.4. Mobility in soil

Product is not water-soluble, and is therefore expected to have low mobility in earth.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Other adverse effects

None known.

### SECTION 13: Disposal considerations

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### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. Collect concentrated spills and major waste in closed, leak-proof containers for disposal at the local hazardous waste site.

**Category of waste:** EWC code: Depends on line of business and use, for instance 13 02 04\* mineral-based chlorinated engine, gear and lubricating oils 15 01 02 plastic packaging 15 01 04 metallic packaging 15 01 10\* packaging containing residues of or contaminated by hazardous substances

### SECTION 14: Transport information

<b>14.1. UN-No.:</b>	Not applicable.	<b>14.4. Packing group:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.	<b>14.5. Environmental hazards:</b>	Not applicable.
<b>14.3. Transport hazard class(es):</b>	Not applicable.		

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

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

#### 15.2. Chemical Safety Assessment

**Other Information:** Chemical safety assessment has not been performed.

### SECTION 16: Other information

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

**Vendor notes:** Changes have been made in sections: 1-16.

#### List of relevant H-statements

H304 May be fatal if swallowed and enters airways.

**Document language:** GB