

## SAFETY DATA SHEET

# Mopar Transfer Case Lubricant NV146

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

## Trade name

Mopar Transfer Case Lubricant NV146

## Product no.

68001758AX

## Unique formula identifier (UFI)

S7S5-0YQF-F96D-QRRV

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

## Relevant identified uses of the substance or mixture

Synthetic gear oil

## Uses advised against

The product may only be used in accordance with the area of application specified above. If, nonetheless, the product is used outside the specified scope, please contact the supplier.

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

## Company and address

**Klintberg & Way Parts AB**

Haukadalsgatan 5

164 40 KISTA

SWEDEN

+46 (0)8 6808800

www.kwparts.com

## E-mail

info@kwparts.com

## SDS date

2021-04-10

## SDS Version

1.0

**1.4. Emergency telephone number**

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Skin Sens. 1; H317, May cause an allergic skin reaction.

**2.2. Label elements**

## Hazard pictogram(s)



## Signal word

Warning

## Hazard statement(s)

May cause an allergic skin reaction.

### Safety statement(s)

#### General

P102, Keep out of reach of children.

#### Prevention

P280, Wear eye protection / protective gloves / protective clothing.

#### Response

P302+P352, IF ON SKIN: Wash with plenty of water and soap.

#### Storage

-

#### Disposal

P501, Dispose of contents/container to an approved waste disposal plant.

### Hazardous substances

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate

Long chain alkyl amine thiophosphate

Butanedioic acid, 2-(2-octadecen-1-yl)-

### 2.3. Other hazards

#### Additional labelling

Not applicable

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Decene, homopolymer, hydrogenated	CAS No.: 68037-01-4 EC No.: 500-183-1 REACH: 01-2119486452-34-XXXX Index No.:	25-50%	Asp. Tox. 1, H304	
1-Decene, homopolymer, hydrogenated 1-Decene, oligomers, hydrogenated	CAS No.: 68037-01-4 EC No.: 500-183-1 REACH: 01-2119486452-34-XXXX Index No.:	25-50%	Asp. Tox. 1, H304	
Long chain alkyl amine thiophosphate	CAS No.: EC No.: REACH: Index No.:	<1%	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate	CAS No.: 93882-40-7 EC No.: 299-434-3 REACH: 01-2120735527-50-XXXX	<1%	Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	

	Index No.:		
Butanedioic acid, 2-(2-octadecen-1-yl)-	CAS No.: 68015-93-0	<=0.3%	Skin Sens. 1, H317
	EC No.: 268-159-0		Eye Dam. 1, H318
	REACH:		Aquatic Chronic 4, H413
	Index No.:		

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

No special

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In case of uncertainty on how to treat an exposed person, call the National Poisons Information Service immediately.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

##### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

##### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

##### Burns

Not applicable

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If skin irritation or rash occurs: Get medical advice/attention.

##### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Always wear gloves and protective clothing when in contact with chemical substances.  
Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

A risk assessment of the handling shall always be prepared based on the specific conditions prevailing at the workplace. The risk assessment shall be used as basis for preparing appropriate instructions for the safe handling of the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Metal

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
DNEL	3526 mg/m <sup>3</sup>
Route of exposure	Inhalation

Duration	Long term – Systemic effects - Workers
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
DNEL	2 mg/kgbw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
DNEL	0.5 mg/kgbw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

### PNEC

Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	9 µg/L
Route of exposure	Freshwater
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	1 µg/L
Route of exposure	Marine water
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	100 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	542230 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	54223 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	259870 mg/kg dw
Route of exposure	Soil
Duration of Exposure	Continuous
Product/substance	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
PNEC	20 mg/kg food
Route of exposure	Predators
Duration of Exposure	Continuous

### 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

In case of simultaneous exposure to several air pollutants, their combined effects shall be considered. In assessing exposure conditions, the body weight and absorption of certain substances through the skin shall be taken into account in addition to the concentration of air pollutants in inhaled air. The person who plans and carries out the air pollution measurement shall have sufficient knowledge to do so. Measurements shall be taken using appropriate methods and equipment. Exposure measurements relate to conditions during normal operation. Where necessary, they shall also highlight the exposure under other conditions. Exposure measurements shall be taken in the breathing zone on a sufficient number of persons to make it possible to assess the exposure of all exposed persons.

**Exposure scenarios**

There are no exposure scenarios implemented for this product.

**Exposure limits**

Occupational exposure limits have not been defined for the substances in this product.

**Appropriate technical measures**

**Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

No specific requirements

**Individual protection measures, such as personal protective equipment**

**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

Work situation	Type	Class	Colour	Standards
-	Respiratory protection is not needed in the event of adequate ventilation	-	-	-

**Skin protection**

Work situation	Recommended	Type/Category	Standards
	Dedicated work clothing should be worn	-	-



**Hand protection**

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
	Vinyl/PVC	-	> 480	EN374-3, EN388



**Eye protection**

Work situation	Type	Standards
	Wear safety glasses with side shields.	EN166



**SECTION 9: Physical and chemical properties**

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

**Physical state**

Liquid

**Colour**

Yellow

Odour / Odour threshold

Mild

pH

Testing not relevant or not possible due to nature of the product.

Density (g/cm<sup>3</sup>)

Testing not relevant or not possible due to nature of the product.

Relative density

<1 (15.00 °C)

Kinematic viscosity

32.15 centistokes (40.00 °C)

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

-69

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Relative vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)

>200 °C

Ignition (°C)

No data available

Auto flammability (°C)

No data available

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

Evaporation rate (n-butylacetate = 100)

Testing not relevant or not possible due to nature of the product.

## SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 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.

##### 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.

##### Skin sensitisation

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.

##### 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

##### Long term effects

No special

##### Endocrine disrupting properties

No special

##### Other information

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No data available

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

No special



### 12.7. Other adverse effects

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.  
Dispose of contents/container to an approved waste disposal plant.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

13 02 06\* Synthetic engine, gear and lubricating oils

#### Specific labelling

Before handling waste, see Section 8, Exposure controls/personal protection. Contamination of the product with hazardous substances during use cannot be ruled out and therefore the properties of the waste do not fully correspond to those of the original product. It is therefore always the user's responsibility to classify the waste. Hazardous waste shall be transported to an approved waste facility by an authorised carrier.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

#### MARINE POLLUTANT

No

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### Restrictions for application

No specific requirements  
People under the age of 18 shall not be exposed to this product.

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Additional information

Not applicable

#### Sources

12. The employer is obliged to continuously keep abreast of the current regulations pertaining to the activity in question.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.  
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).  
Regulation (EC) 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H304, May be fatal if swallowed and enters airways.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H412, Harmful to aquatic life with long lasting effects.  
H411, Toxic to aquatic life with long lasting effects.  
H318, Causes serious eye damage.  
H413, May cause long lasting harmful effects to aquatic life.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit.  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the substance/mixture is based on:

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

#### The safety data sheet is validated by

Future Competence Sweden AB

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en