





# Safety Data Sheet

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
water jet

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

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus.

#### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

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

Use personal protective clothing. Keep people away and stay on the upwind side. Breathing protection required.

#### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

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

No applicable information available.

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Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

**Advice on system design:**  
Ensure adequate ventilation.

#### **Personal protective equipment**

**Respiratory protection:**  
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection:**  
Chemical resistant protective gloves

**Eye protection:**  
Safety glasses with side-shields.

**Body protection:**  
No applicable information available.

**General safety and hygiene measures:**  
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift.

### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	characteristic	
Odour threshold:	No applicable information available.	
Colour:	amber	
pH value:	insoluble	
Melting point:	-15 °C	
Boiling point:	not determined	
Sublimation point:	No applicable information available.	
Flash point:	>= 180.00 °C	(ASTM D92)
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
Vapour pressure:	The product has not been tested.	
Density:	0.897 g/cm <sup>3</sup> ( 15.6 °C) 0.895 g/cm <sup>3</sup> ( 20 °C)	
Relative density:	No applicable information available.	

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Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.	
Self-ignition temperature:	Keep away from heat, spark, and open flames.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	> 150,000.00 mPa*s ( -26.0 °C)	
Viscosity, kinematic:	28.00 - 32.00 mm2/s ( 100 °C)	(ASTM D445)
Solubility in water:	insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

Reactions with water/air:	Reaction with:	water
	Flammable gases:	no
	Toxic gases:	no
	Corrosive gases:	no
	Smoke or fog:	no
	Peroxides:	no
	Reaction with:	air
	Flammable gases:	no
	Toxic gases:	no
	Corrosive gases:	no
	Smoke or fog:	no
	Peroxides:	no

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Peroxides: 0.000 %  
The product does not contain peroxides.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

### Conditions to avoid

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No special precautions other than good housekeeping of chemicals.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Primary routes of entry

Dermal contact.

Eyes

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

#### Skin

Species: rabbit

Result: non-irritant

#### Eye

Species: rabbit

Result: non-irritant

#### Sensitization

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Assessment of sensitization: A sensitizing effect on particularly sensitive individuals cannot be excluded.

### Aspiration Hazard

No aspiration hazard expected.

### **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: None known

#### Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

#### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

#### Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

#### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Further important symptoms and effects are so far not known.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Toxicity to fish

LC50 > 10 - 100 mg/l

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

EC0: > 100 mg/l

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

Study scientifically not justified.

### **Bioaccumulative potential**

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### Assessment bioaccumulation potential

Discharge into the environment must be avoided.

### **Mobility in soil**

### Assessment transport between environmental compartments

No data available.

### **Additional information**

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

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## **14. Transport Information**

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## **15. Regulatory Information**

### **Federal Regulations**

#### **Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.



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### Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

**WARNING:** This product can expose you to chemicals including ANILINE, which is known to the State of California to cause cancer, and TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### NFPA Hazard codes:

Health: 1      Fire: 1      Reactivity: 0      Special:

#### HMIS III rating

Health: 1      Flammability: 1      Physical hazard: 0

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## 16. Other Information

#### SDS Distributed by:

D-A Lubricant Company, Inc.

SDS Date: 2019/12/12

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