

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 1 of 12

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

##### 1.1. Product identifier

ALPINE PSA 0W-20

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

###### Use of the substance/mixture

Motor oil multigrade

###### Uses advised against

No information available.

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

Company name:	Mitan Mineralöl GmbH	
Street:	Industriestraße 8	
Place:	D-49577 Ankum	
Telephone:	+49 (0)5462/7470-50	Telefax: +49 (0)5462/7470-33
e-mail:	info@mitan-oil.de	
Internet:	www.mitan-oil.de	
Responsible Department:	Produktsicherheit / Product Safety	
	sicherheitsdatenblatt@mitan-oil.de	

##### 1.4. Emergency telephone number:

Giftinformationszentrum Nord (Göttingen)  
+49 (0)551/19240

#### SECTION 2: Hazards identification

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

###### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

##### 2.2. Label elements

###### GB CLP Regulation

###### Special labelling of certain mixtures

EUH208                      Contains Long chain alkyl thio carbamide metal complex, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine, C14-16-18 Alkyl phenol. May produce an allergic reaction.

##### 2.3. Other hazards

No information available.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 2 of 12

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Long chain alkyl thio carbamide metal complex			0,1 - 0,99 %
	457-320-2		01-0000019337-66	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H317 H412			
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine			0,1 - 0,24 %
	401-280-0	613-072-00-9		
	Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 2; H314 H317 H411			
1190625-94-5	C14-16-18 Alkyl phenol			0,1 - 0,24 %
	931-468-2		01-2119498288-19	
	Skin Sens. 1B, STOT RE 2; H317 H373			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
	457-320-2	Long chain alkyl thio carbamide metal complex	0,1 - 0,99 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
1190625-94-5	931-468-2	C14-16-18 Alkyl phenol	0,1 - 0,24 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		

#### Further Information

This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

Remove person to fresh air and keep comfortable for breathing.

In all cases of doubt, or when symptoms persist, seek medical advice.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

In case of skin irritation, consult a physician.

##### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### After ingestion

Rinse mouth thoroughly with water.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 3 of 12

Let water be drunken in little sips (dilution effect).  
Do NOT induce vomiting.  
In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Use water spray jet to protect personnel and to cool endangered containers.  
Co-ordinate fire-fighting measures to the fire surroundings.

- Foam
- Carbon dioxide (CO<sub>2</sub>).
- Extinguishing powder
- Water mist

##### **Unsuitable extinguishing media**

High power water jet.

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

Non-flammable. Formation of toxic gases is possible during heating or in case of fire.

In case of fire may be liberated:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Pyrolysis products, toxic

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Use of protective clothing

In case of fire and/or explosion do not breathe fumes.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### **General advice**

Keep people at a distance and stay on the windward side.  
Special danger of slipping by leaking/spilling product.

##### **For non-emergency personnel**

Wear protective gloves/protective clothing and eye/face protection.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.  
Prevent spread over a wide area (e.g. by containment or oil barriers).

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

##### **For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 4 of 12

#### **For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.  
Remove from the water surface (e.g. skimming, sucking).

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Avoid formation of oil dust.  
Use personal protection equipment.  
Do not put any product-impregnated cleaning rags into your trouser pockets.  
Clear spills immediately.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.  
Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed and in a well-ventilated place.  
Keep only in the original container. Store in a cool dry place. (Protect from moisture.)  
Floors should be impervious, resistant to liquids and easy to clean.

##### **Hints on joint storage**

Do not store together with:  
- Materials capable of ignition under almost all normal temperature conditions  
- Explosives

#### **7.3. Specific end use(s)**

Motor oil multigrade

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 5 of 12

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
	Long chain alkyl thio carbamide metal complex			
	Worker DNEL, long-term	inhalation	systemic	3,52 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	2,24 mg/kg bw/day
	Worker DNEL, long-term	dermal	local	0,112 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	inhalation	systemic	1,76 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	1,12 mg/kg bw/day
	Consumer DNEL, long-term	dermal	local	0,056 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day
1190625-94-5	C14-16-18 Alkyl phenol			
	Worker DNEL, long-term	inhalation	systemic	1,17 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	0,3 mg/kg bw/day

#### PNEC values

CAS No	Substance	Value
	Long chain alkyl thio carbamide metal complex	
	Freshwater	0,081 mg/l
	Freshwater (intermittent releases)	0,096 mg/l
	Marine water	0,008 mg/l
	Freshwater sediment	195 mg/kg
	Marine sediment	19,5 mg/kg
	Secondary poisoning	20 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	0,872 mg/kg
1190625-94-5	C14-16-18 Alkyl phenol	
	Freshwater	0,1 mg/l
	Freshwater (intermittent releases)	1 mg/l
	Marine water	0,01 mg/l
	Freshwater sediment	4266,16 mg/kg
	Marine sediment	426,62 mg/kg
	Secondary poisoning	3,3 mg/kg
	Micro-organisms in sewage treatment plants (STP)	100 mg/l
	Soil	852,58 mg/kg

#### Additional advice on limit values

To date, no national critical limit values exist.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 6 of 12

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Protective and hygiene measures

Take off contaminated clothing and wash it before reuse.

Wash hands before breaks and after work.

When using do not eat, drink, smoke, sniff.

##### Eye/face protection

During filling, metering, mixing and sampling must be used:

Wear eye/face protection. EN 166

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Recommended glove articles: EN ISO 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough time: > 8h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	brown
Odour:	characteristic
Odour threshold:	not determined
pH-Value:	not determined

##### Changes in the physical state

Melting point/freezing point:	-48 °C
Boiling point or initial boiling point and boiling range:	not determined
Pour point:	not determined
Flash point:	232 °C

##### Flammability

Solid/liquid:	not determined
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##### Explosive properties

The product is not: Explosive. Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits:	not determined
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## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 7 of 12

Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined

#### **Oxidizing properties**

The product is not: oxidising.

Vapour pressure:	not determined
Density (at 15 °C):	0,845 g/cm <sup>3</sup>
Water solubility:	practically insoluble

#### **Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic: (at 40 °C)	43,5 mm <sup>2</sup> /s
Relative vapour density:	not determined
Evaporation rate:	not determined

#### **9.2. Other information**

Solid content:	not determined
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### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

The formation of combustible vapours is possible at temperatures above: Flash point

#### **10.4. Conditions to avoid**

Conditions to avoid: Thermal decomposition

#### **10.5. Incompatible materials**

Materials to avoid:

- Acids
- Oxidising agent
- alkalines

#### **10.6. Hazardous decomposition products**

Hazardous combustion products:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Pyrolysis products, toxic

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

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

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 8 of 12

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Long chain alkyl thio carbamide metal complex				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2002)	OECD Guideline 425
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2002)	OECD Guideline 402
1190625-94-5	C14-16-18 Alkyl phenol				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2014)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2015)	OECD Guideline 402

#### Irritation and corrosivity

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

#### Sensitising effects

Contains Long chain alkyl thio carbamide metal complex, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine, C14-16-18 Alkyl phenol. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

#### 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.

#### Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

See section 12.6

### SECTION 12: Ecological information

#### 12.1. Toxicity

The product is not: Ecotoxic.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 9 of 12

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Long chain alkyl thio carbamide metal complex					
	Acute fish toxicity	LL50 > 94,8 mg/l	96 h	Oncorhynchus mykiss	Study report (2000)	OECD Guideline 203
	Acute algae toxicity	ErC50 9,62 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2000)	OECD Guideline 201
	Acute crustacea toxicity	EL50 50 mg/l	48 h	Daphnia magna	Study report (2002)	OECD Guideline 202
	Crustacea toxicity	NOEC 100 mg/l	21 d	Daphnia magna	Study report (2004)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 > 100 mg/l)	3 h	activated sludge of a predominantly domestic sewage	Study report (1999)	OECD Guideline 209

#### 12.2. Persistence and degradability

Not readily biodegradable (according to OECD criteria)

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Long chain alkyl thio carbamide metal complex	> 5,1
1190625-94-5	C14-16-18 Alkyl phenol	7,2

#### BCF

CAS No	Chemical name	BCF	Species	Source
	Long chain alkyl thio carbamide metal complex	0	Cyprinus carpio	Study report (1999)

#### 12.4. Mobility in soil

The product has not been tested.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 10 of 12

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

##### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

##### Marine transport (IMDG)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

##### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

##### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

##### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

#### SECTION 15: Regulatory information

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

###### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

###### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water  
Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 11 of 12

#### SECTION 16: Other information

##### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

##### Relevant H and EUH statements (number and full text)

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

## Safety Data Sheet

### ALPINE PSA 0W-20

Revision date: 21.02.2024

Page 12 of 12

EUH208                      Contains Long chain alkyl thio carbamide metal complex, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine, C14-16-18 Alkyl phenol. May produce an allergic reaction.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*