

# MATERIAL SAFETY DATA SHEET

## CHIEF OIL MACUNA SAE 20W50

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Replaces: /



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## 1. IDENTIFICATION OF THE PRODUCT:

Identification : liquid compound  
Kind of product : oil  
Concentration in use : 100 %

## 2. HAZARDS IDENTIFICATION:

This is a harmless preparation. Normally no risks are to be expected, minor discomfort may occur.

## 3. COMPOSITION AND INFORMATION ON DANGEROUS COMPONENTS:

Dangerous components	%	Symbol	R-Phrases	CAS N°	EINECS N°
Benzenesulfonic acid, propenated, calcium salt, overbased	0,1 - 1	Xi	43-53	68610-84-4	271-877-7
magnesium long chain hydrocarbyl aryl sulphonate	0,1 - 1		53	/	
Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivs., calcium salts, overbased	0,5 - 2,5		53	90480-91-4	291-829-9
Polyolefin polyamine succinimide, molybdenum complex	0,1 - 1		53	/	
Polyolefine polyamine succinimide Polyol	2,5 - 10		53	-	-
Zincalkyldithiophosphate	0,5 - 2,5	Xi, N	38-41-51/53	68649-42-3	272-028-3

## 4. FIRST AID MEASURES:

Always ask medical advice as soon as possible should serious or continuous disturbances occur

Skin contact : remove contaminated clothing, rinse skin with plenty of water

Eye contact : rinse first with plenty of water and seek medical attention

Ingestion : rinse mouth with water and and seek medical attention

Inhalation : in case of serious or continuous discomforts: remove to fresh air and seek medical attention

## 5. FIRE FIGHTING MEASURES :

Fire extinguishing agents : non flammable

Extinguishing agents to be avoided : none

Special preventive measures in case of fire : none

## 6. ACCIDENTAL RELEASE MEASURES:

Preventive measures : keep in a sealed container, out of reach of children  
Personal safety measures : no eating, drinking or smoking during work  
Environmental measures : do not allow to flow into sewers or open water  
Measures in case of leakage : remove by using absorbent material

## 7. HANDLING AND STORAGE:

Special preventive measures in handling and storing : keep in a sealed container in a closed, frost-free, ventilated room  
Packing materials to be avoided : none  
Preventive measures : handle with care to avoid spillage

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Inhalation protection : none  
Skin protection : none  
Eye protection : none  
Other protection : none  
Follows a list of the hazardous elements mentioned sub 3. of which the TLV value is known :

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Melting point/melting range, °C : -20  
Boiling point/Boiling range, °C : /  
pH :  
pH 1% diluted in water :  
Vapour pressure/20°C, P: a R/ relative density/20°C : /  
Physical state/20°C : /  
Flash point, °C :  
Ignition point, °C :  
Solubility in water : 0,900  
Odour : liquid  
Dynamic viscosity, mPa.s/20°C :  
Kinematic viscosity, mm²/s/20°C :  
Volatile organic component (VOC), % : / insoluble  
Volatile organic component (VOC), g/l : characteristic  
: /  
: /  
: No data available  
: No data available  
:

## 10. STABILITY AND REACTIVITY:

Dangerous reactions with : none known  
Circumstances to be avoided : none known

## 11. TOXICOLOGICAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Calculated acute toxicity, LD50 Oral Rat: No data available mg/kg

## 12. ENVIRONMENTAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Biological degradability : not applicable  
Water hazard class, WGK: No data available

## 13. DISPOSAL CONSIDERATIONS:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

## 14. TRANSPORT INFORMATION:

Class & number	:	, /
Identification number of the hazard Identification number of the substance	:	/
Labels	:	ADR not applicable, /, /
	:	/

## 15. REGULATORY INFORMATION:

### Labels:

None

### Risk phrases

/ none

### Safety phrases

/ none

Contains (Benzenesulfonic acid, propenated, calcium salt, overbased) May produce an allergic reaction.

### Contains

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## 16. OTHER INFORMATION:

R-Phrases, mentioned in point 3, not of application on the preparation.

**Risks connected to the preparation and its hazardous components** : R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R51 Toxic to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment.

**Reason of revision, changes of following items:** 9, 16

**Composition by regulation (EC) No 648/2004:** Anionic surfactants <5%

*This safety information sheet has been compiled in accordance with annex II of the REACH-directive EG 1907/2006. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care, we cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. It is the responsibility of the user to take the necessary measures in order to comply with the local laws and regulations. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*

**MSDS reference number** : ECM-104666-E