



### Section 1. Identification of substance/mixture and of the company/undertaking.

#### 1.1 Product identifier:

Product name: Eni Coro WMO 8

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

No further relevant information available.

Identified uses: Anticorrosion product

Uses advised against: No uses advised against identified.

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

Manufacturer/Supplier: Eni Schmiertechnik GmbH  
Paradiesstr. 14, D-97080 Würzburg  
Tel. (+ 49) 931 - 900 98-0 Fax (+ 49) 931-98442

Advising/Support: Technical Department, Tel. (+49) 931 900 98-142  
technik.wuerzburg@agip.de  
www.enischmiertechnik-datenblaetter.de

### Section 2. Hazards identification.

2.1 Classification of the substance or mixture: The product has been classified and labelled as hazardous according to Regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended:

Health Hazards:

Serious eye irritation, Category 2: H319: Causes serious eye irritation.

Environmental hazards:

Chronic hazards to the aquatic environment, Category 3: H412: Harmful to aquatic life with long lasting effects

Hazard summary:

Physical hazards: No data available

#### 2.2 Label elements:



Signal Words: Warning

Hazard Statement(s): H319: Causes serious eye irritation  
H412: Harmful to aquatic life with long lasting effects

Precautionary Statement:

Prevention: P262: Do not get in eyes, on skin, or on clothing.  
P273: Avoid release to the environment

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information: EUH208: Contains Calcium Sulfonate. May produce an allergic reaction.

Other hazards: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

### Section 3. Composition/information on ingredients.

#### 3.2 Mixtures:

General information: Mixture of mineral base oil, anionic and nonionic agents and corrosion preventing additives in combination with stabilizers based on glycol-fatty alcohols. This product is applied only as solution or emulsion in water.



Chemical name	Concentration	Identifier	REACH Registration No.	Notes
Na-Sulphonate	10,00 - <15,00%	EINECS: 271-781-5	01-2119527859-22	
Fatty alcohol ethoxylate	5,00 - <10,00%	EC: 500-236-9		
Glycol derivative	1,00 - <5,00%	EINECS: 203-961-6	01-2119475104-44	
Carboxylic acid salt	1,00 - <3,00%	EC: 800-765-8	01-2119979554-22	
Calcium Sulfonate	0,10 - <1,00%	EINECS: 263-093-9	01-2119488992-18	

\*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: Persistent, bioaccumulative and toxic substance

vPvB: Very persistent and very bioaccumulative substance

Classification:

Chemical name	Identifier	Classification	
Na-Sulfonate	EINECS: 271-781-5	CLP	Eye Irrit. 2; H319
Fatty alcohol ethoxylate	EC: 500-236-9	CLP	Skin Irrit. 2; H315, Aquatic Chronic 2; H411;
Glycol derivate	EINECS: 203-961-6	CLP	Eye Irrit. 2; H319
Carboxylic acid salt	EC: 800-765-8	CLP	Eye Dam. 1; H318, Skin Irrit. 2; H315
Calcium Sulfonate	EINECS: 263-093-9	CLP	Skin Sen. 1B; H317

CLP: Regulation No. 1272/2008

For the wording of the listed risk phrases refer to section 16.

### Section 4. First aid measures.

General information:	Instantly remove any clothing soiled by the product.
4.1 Description of first aid measures:	
Inhalation:	Supply fresh air, consult doctor in case of symptoms.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Skin contact:	Wash with soap and water.
Ingestion:	Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	Causes eye irritation. Causes serious eye irritation.
4.3 Indication of any immediate medical attention and special treatment needed:	Get medical attention if symptoms occur. Get medical attention if symptoms occur.

### Section 5. Fire fighting measures.

5.1 Extinguishing media:	
Suitable extinguishing agents:	CO2, extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added.
Unsuitable extinguishing agents:	Water with a full water jet.
5.2 Special hazards arising from the substance or mixture:	During fire, gases hazardous to health may be formed.
5.3 Advice for fire-fighters:	
Special fire fighting procedures:	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
Special protective equipment for fire fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### Section 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency



procedures:	In case of spills, beware of slippery floors and surfaces.
6.2 Environmental precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.
6.3 Methodes and material for containment and cleaning up:	Absorb with liquid binding material such as sand, diatomite, acid binders, universal binders or sawdust. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
6.4 Reference to other sections:	See section 8 of the MSDS for personal protective equipment. See section 7 for information on safe handling. See section 13 for information on disposal. Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

### Section 7. Handling and Storage.

7.1 Precautions for safe handling:	Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Prevent formation of aerosols. Observe good industrial hygiene practices. Provide adequate ventilation.
7.2 Conditions for safe storage, including any incompatibilities:	Local regulations concerning handling and storage of water polluting products have to be followed.
7.3 Specific end use(s):	Not applicable
Storage class:	10, Combustible liquids

### Section 8. Exposure controls/personal protection.

8.1 Control parameters:

Occupational exposure limits:

Chemical name	Type	Exposure limit values	Source
Glycol derivative – vapor and aerosol	AGW	10 ppm; 67 mg/m <sup>3</sup>	Germany, TRGS 900, Occupational Exposure Limits (AGW) (04 2014)

8.2 Exposure controls:

Appropriate engineering controls: Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

General information: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection: Safety glasses (EN 166) recommended during refilling.

Skin protection:

Hand protection: Material: Nitrile butyl rubber (NBR)  
Min. Breakthrough time: >= 480 min.  
Recommended thickness of the material: >= 0,38 mm  
Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in accordance to safety directions. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other: Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory protection: Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/aerosol.

Thermal hazards: Not known



Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Environmental controls:	No data available

### Section 9. Physical and chemical properties.

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

Appearance:	
Physical state:	Liquid
Form:	Liquid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not applicable for mixtures
pH:	8,5 (DIN 51369, 100 g/l, 20°C)
Freezing point:	Not applicable for mixtures
Boiling point:	Value not relevant for classification
Flashpoint:	195°C (DIN EN ISO 2592)
Evaporation rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability limit – upper (%):-:	Not applicable for mixtures
Flammability limit – lower (%):-:	Not applicable for mixtures
Vapour pressure:	Not applicable for mixtures
Vapour density (air=1):	Not applicable for mixtures
Density:	0,92 g/ml (15°C) (DIN 51757)
Solubility(ies):	
Solubility in water:	Soluble
Solubility (other):	No data available
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto ignition temperature:	Value not relevant for classification
Decomposition temperature:	Value not relevant for classification
Kin. Viscosity:	59,7 mm <sup>2</sup> /s (40°C) (DIN 51562-1)
Explosive properties:	Value not relevant for classification
Oxidising properties:	Value not relevant for classification
9.2 Other information:	No data available

### Section 10. Stability and reactivity.

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible materials:	Strong oxidising substances, strong acids, strong bases.
10.6 Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### Section 11. Toxicological information.

Information on likely routes of exposure:

Inhalation:	No data available.
Ingestion:	No data available.
Skin contact:	No data available.



Eye contact:	Causes eye irritation.	
11.1 Information on toxicological effects:		
Acute toxicity:		
Oral:		
Product:	Not classified for acute toxicity based on available data.	
Specified substance(s):	Fatty alcohol ethoxylate	LD 50 (rat): 5.001 mg/kg
	Glycol derivate	LD 50 (rat): 3.384 mg/kg
	Calcium Sulfonate	LD 50 (rat): > 16.000 mg/kg
Dermal:		
Product:	ATEmix:	176.706 mg/kg
Specified substance(s):	Glycol derivate	LD 50 (rabbit): 2.700 mg/kg
	Carboxylic acid salt	LD 50 (rat): 2.001 mg/kg
	Calcium Sulfonate	LD 50 (rat): > 4.000 mg/kg
Inhalation:		
Product:	ATEmix:	1.767,07 mg/l Vapour
Skin corrosion/irritation:		
Product:	Based on available data the classification criteria are not met.	
Specified substance(s):	Carboxylic acid salt	OECD 404 (Rabbit, 4 h): Irritating
Serious eye damage/eye irritation:		
Product:	Based on available data the classification criteria are not met.	
Specified substance(s):	Carboxylic acid salt	OECD 405 (Rabbit, 14 d): Risk of serious damage to eyes
Respiratory or skin sensitisation:		
Product:	Skin sensitizer: Based on available data the classification criteria are not met. Respiratory sensitizer: Based on available data the classification criteria are not met.	
Specified substance(s):	Carboxylic acid salt	No sensitizing effect (guinea pig); OECD 406
Germ cell mutagenicity:		
Product:	Based on available data the classification criteria are not met.	
Carcinogenicity:		
Product:	Based on available data the classification criteria are not met.	
Reproductive toxicity:		
Product:	Based on available data the classification criteria are not met.	
Specific target organ toxicity – single exposure:		
Product:	Based on available data the classification criteria are not met.	
Specific target organ toxicity – repeated exposure:		
Product:	Based on available data the classification criteria are not met.	
Aspiration hazard:		
Product:	Based on available data the classification criteria are not met.	
Other adverse effects:	No data available	

## Section 12. Ecological information.

12.1 Toxicity:		
Acute toxicity:		
Product:	Based on available data the classification criteria are not met.	
Fish:		
Specified substance(s):	Glycol derivate	LC 50 (Fish, 96 h): 1.300 mg/l
	Carboxylic acid salt	LC 50 (Fish, 96 h): 58 mg/l (OECD 203)
Aquatic invertebrates:		
Specified substance(s):	Glycol derivate	EC 50 (Water Flea, 48 h): > 101 mg/l
	Carboxylic acid salt	EC 50 (Water Flea, 48 h): 11,8 mg/l (OECD 202)
Chronic toxicity:		
Product:	Based on available data the classification criteria are not met.	
Toxicity to aquatic plants:		
Specified substance(s):	Fatty alcohol ethoxylate	(Alga, 72 h): > 10 – 100 mg/l (OECD 201)
	Glycol derivate	EC 50 (Alga, 96 h): > 101 mg/l
	Carboxylic acid salt	EC 50 (Alga, 72 h): 159 mg/l (OECD 201)



### 12.2 Persistence and degradability:

#### Biodegradation:

Product:	Not applicable for mixtures	
Specified substance(s):	Fatty alcohol ethoxylate	Readily biodegradable
	Calcium Sulfonate	8,6% Not easily biodegradable.

### 12.3 Bioaccumulative potential:

Product: Not applicable for mixtures

### 12.4 Mobility in soil:

Product: Not applicable for mixtures

### 12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

### 12.6 Other adverse effects:

Harmful to aquatic life with long lasting effects

### Water hazard class (WGK):

1 – slightly water-endangering

## Section 13. Disposal considerations.

### 13.1 Waste treatment methods:

General information:	Dispose in accordance with all applicable regulations.
Disposal methods:	Discharge, treatment or disposal may be subject to national, state or local laws.
European Waste Codes:	12 01 09*: machining emulsions and solutions free of halogens

## Section 14. Transport information.

ADR/RID:	Non-dangerous goods
ADN:	Non-dangerous goods
IMDG:	Non-dangerous goods
IATA:	Non-dangerous goods

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code:

Not applicable

## Section 15. Regulatory information.

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

#### EU regulations:

Regulation (EC) No. 2037/2000 substances that deplete the ozone layer:

None

Regulation (EC) No. 850/2004 on persistent organic pollutants:

None

#### National regulations:

Water hazardous class (WGK): WGK 1: slightly water-endangering

### 15.2 Chemical safety assessments:

No chemical safety assessment has been carried out.

## Section 16. Other information.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.

The informations in this sheet are according to our best knowledge at the date of printing.

### Wording of the H-statements in section 2 and 3:

H315:	Causes skin irritation
H317:	May cause an allergic reaction



H318:	Causes serious eye damage
H319:	Causes serious eye irritation
H411:	Toxic to aquatic life with long lasting effects
H412:	Harmful to aquatic life with long lasting effects