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

1.1 Product identifier:

Product name:	Eni Coro DWW 35 L

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

Identified uses:	Anticorrosion product
Uses advised against:	No uses advised against identified.
1.3 Details of the supplier of the Safety data sheet:	Eni Schmiertechnik GmbH Paradiesstr. 14, 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 according to regulation (EU) 1272/2008 (CLP).

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

Health hazard:

Aspiration Hazard:	Category 1 – H304: May be fatal if swallowed and enters airways

Hazard summary:

Physical hazards:	Can form flammable vapour-air mixtures during the application.

Health hazards:

Ingestion:	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

2.2 Label elements:

Contains:	Hydrocarbons, low viscous

Signal words:	Danger
Hazard statement(s):	H304: May be fatal if swallowed and enters airways

Precautionary statement:

Response:	P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331: Do NOT induce vomiting
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 Sulphonate, Ca sulphonate. May produce an allergic reaction
2.3 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 based on severely refined mineral base oils and corrosion preventive agents in volatile hydrocarbons with a flashpoint below 55°C.

Chemical name	Concentration	Identifier	REACH Registration no.	Notes
Hydrocarbons, low viscosity	50,00 - <100,00%	EC 918-481-9	01-2119457273-39	
Calcium Sulphonate	1,00 - < 5,00%	EINECS 263-093-9	01-2119488992-18	
Glycol derivative	1,00 - < 5,00%	EINECS 203-961-6	01-2119475104-44	
Ca sulphonate	1,00 - < 5,00%	EINECS 939-603-7	01-2119978241-36	
Phenolic antioxidant	0,10 - < 0,25%	EINECS 204-881-4	01-2119565113-46	

*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:

Hydrocarbons, low viscosity	EC 918-481-9	CLP	Asp. Tox. 1; H304
Calcium sulphonate	EINECS 263-093-9	CLP	Skin Sens. 1; H317
Glycol derivative	EINECS 203-961-6	CLP	Eye Irrit. 2; H319
Ca sulphonate	EINECS 939-603-7	CLP	Skin Sens. 1B; H317
Phenolic antioxidant	EINECS 204-881-4	CLP	Aquatic Acute 1; H400, Aquatic Chronic 1; H410

CLP: Regulation No. 1272/2008

The full text for all R- and H-Phrases is displayed in section 16.

Section 4. First aid measures.

General: 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: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin contact: Wash with water and soap; pay attention: skin degreasing product.

Ingestion: Call a physician or poison control center immediately. rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Headache

4.3 Indication of any immediate medical attention and special treatment needed: Get medical attention if symptoms occur.

Section 5. Fire fighting measures.

General fire hazards: Use water spray to keep fire-expose containers cool.

5.1 Extinguishing media:

Suitable extinguishing media: CO_2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable tensides added.

Unsuitable extinguishing media: Water with a full water jet

5.2 Special hazards arising from the substance or mixture: Can form explosive vapour-air mixtures at higher temperatures.

5.3 Advice for firefighters:

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. Keep away from sources of ignition – No smoking.

6.2 Environmental precautions:	Prevent from spreading (e. g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
6.3 Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, 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.

Section 7. Handling and Storage.

7.1 Precautions for safe handling:	Use only in well-ventilated areas. Risk of vapour concentration on the floor and in low-lying areas. Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.
7.2 Conditions for safe storage, including any incompatibilities:	Store locked up. Local regulations concerning handling and storage of water polluting products have to be followed. the precautions for storing and handling of flammable liquids have to be kept. Local regulations for common storage of flammable liquids have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the Flashpoint.
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	TWA	10 ppm 67 mg/m^3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Glycol derivative	STEL	15 ppm 101,2 mg/m^3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

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 acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Other:	Do not carry cleaning cloth 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:	Yellow
Odour:	Characteristic
Odour Threshold:	Not applicable for mixtures
pH:	Not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	Not applicable
Flash Point:	75°C
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 at 15°C:	0,82 g/ml
Solubility(ies):	
Solubility in Water:	Insoluble in water
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 at 20°C:	4,3 mm^2/s
Explosive properties:	Value not relevant for classification
Oxidizing 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 oxidizing 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.

11.1 Information on toxicological effects:

Acute Toxicity:

Oral:

Product:	Not classified for acute toxicity based on available data.
Specified substance(s):	
Hydrocarbons, low viscosity:	LD 50 (Rat): > 5.000 mg/kg (OECD 401)
Calcium sulphonate:	LD 50 (Rat): > 16.000 mg/kg
Glycol derivative:	LD 50 (Rat): 3.384 mg/kg
Phenolic antioxidant:	LD 50 (Rat): 2.930 mg/kg (OECD 401)

Dermal:

Product:	Not classified for acute toxicity based on available data.
Specified substance(s):	
Hydrocarbons, low viscosity:	LD 50 (Rabbit): > 3.160 mg/kg
Calcium sulphonate:	LD 50 (Rat): > 4.000 mg/kg
Glycol derivative:	LD 50 (Rabbit): 2.700 mg/kg
Phenolic antioxidant:	LD 50 (Rat): > 5.000 mg/kg (OECD 402)

Inhalation:

Product:	Not classified for acute toxicity based on available data.

Skin corrosion/irritation:

Product:	Based on available data the classification criteria are not met.

Serious eye damage/eye irritation:

Product:	Based on available data the classification criteria are not met.

Respiratory or skin sensitization:

Product:	Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization.
Specified substance(s):	
Phenolic antioxidant:	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:	May be fatal if swallowed and enters airways.
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):	
Hydrocarbons, low viscosity:	LC 50 (Fish, 96 h): > 1.001 mg/l (OECD 203)
Glycol derivative:	LC 50 (Fish, 96 h): 1.300 mg/l
Ca sulphonate:	LC 50 (Fish, 96 h): > 101 mg/l
Phenolic antioxidant:	LC 50 (Fish, 96 h):> 0,57 mg/l (OECD 203)

Aquatic invertebrates:	
Specified substance(s):	
Hydrocarbons, low viscosity:	EC 50 (Water flea, 48 h): > 1.000 mg/l (OECD 202)
Glycol derivative:	EC 50 (Water flea, 48 h): > 101 mg/l
Ca sulphonate:	EC 50 (Water flea, 48 h): > 1.001 mg/l
Phenolic antioxidant:	EC 50 (Water Flea, 48 h): > 0,17 mg/l
Chronic Toxicity:	
Product:	Based on available data the classification criteria are not met.
Aquatic invertebrates:	
Specified substance(s):	
Phenolic antioxidant:	NOEC (Water Flea, 21 d): > 0,39 mg/l
Toxicity to Aquatic Plants:	
Specified substance(s):	
Hydrocarbons, low viscosity:	EC 50 (Alga, 72 h): > 1.000 mg/l (OECD 201)
Glycol derivative:	EC 50 (Alga, 96 h): > 101 mg/l
Ca sulphonate:	EC 50 (Alga, 72 h): > 101 mg/l
Phenolic antioxidant:	EC 50 (Alga, 72 h): > 0,42 mg/l
12.2 Persistence and degradability:	
Biodegradation:	
Product:	Not applicable for mixtures.
Specified substance(s):	
Hydrocarbons, low viscosity:	80% (28 d, OECD 301 F) Readily degradable
Phenolic antioxidant:	30% (OECD 302C)
12.3 Bioaccumulative potential:	
Product:	Not applicable for mixtures.
Specified substance(s):	
Phenolic antioxidant:	May be accumulated in organism
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:	No data available
Water Hazard Class (WGK):	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:	07 06 04*: other organic solvents, washing liquids and mother liquors

Section 14. Transport information.

This material is not subject to transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL73/78 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
15.2 Chemical safety assessment:	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.

Changes: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12

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

H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects