



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

1.1 Product identifier:

Product name: AGIP Coro DWV 45 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:

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Paradiesstr. 14, 97080 Würzburg
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Advising/Support:

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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:

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/doctor.
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 Sulfonate, Ca sulfonate. 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 with corrosion preventive agents and volatile hydrocarbons.



Chemical name	Identifier	Concentration*	REACH Registration no.	Notes
Hydrocarbons, low viscous	EC: 918-481-9	50,00 - <100,00 %	01-2119457273-39	
Calcium Sulfonate	EINECS: 263-093-9	1,00 -<5,00 %	01-2119488992-18	
Glycol derivate	EINECS: 203-961-6	1,00 -<5,00%	01-2119475104-44	
Ca sulfonate	EINECS: 939-603-7	1,00 -<5,00%	01-2119978241-36	
phenolic antioxidant	EINECS: 204-881-4	0,10- <0,25%	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:

Chemical name	Identifier	Classification	
Hydrocarbons, low viscous	EC:918-481-9	CLP:	Asp. Tox. 1;H304
Calcium sulfonate	EINECS:263-093-9	CLP:	Skin Sens. 1B; H317
Glycol derivate	EINECS:203-961-6	CLP:	Eye Irrit 2;H319
Ca sulfonate	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

For the wording of the listed risk phrases refer to 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 doesn't 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-exposed containers cool.
5.1 Extinguishing media:	
Suitable extinguishing media:	CO2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added.
Unsuitable extinguishing media:	Water with 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 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. 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 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.

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 flash point.
- 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 derivate	TWA	10 ppm, 67 mg/m ³	UK. EH40. Workplace Exposure Limits (WELs) (12 2011)
Glycol derivate	STEL	15 ppm, 101,2 mg/m ³	EK. 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 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 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
Color:	Yellow
Odor:	Characteristic
Odor threshold:	Not applicable for mixtures
pH:	not applicable
Freezing point:	Not applicable for mixtures
Boiling point:	Not applicable
Flashpoint:	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
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0,82 g/ml (15,00°C)
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
Kinematic viscosity:	4,3 mm ² /s (20°C)
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 vapors.



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 Sulfonate: 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: LD 50 (Rabbit) : > 3.160 mg/kg

Calcium Sulfonate: 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 presents 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 sulfonate: 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 sulfonate: 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 sulfonate:	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 301F) Readily biodegradable
Phenolic antioxidant:	30 % (OECD 203C)
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 04 04* - other organic solvents, washing liquids and mother liquors

Section 14. Transport information.

ADR/RID:	Non-dangerous goods
14.1 UN Number:	-
14.2 UN Proper Shipping Name:	-
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Labels(s):	-
Hazard No. (ADR):	-
Tunnel restriction code:	-
14.4 Packing Group:	-
14.5 Environmental hazards:	-
14.6 Special precautions for user:	-
ADN	
14.1 UN Number:	-
14.2 UN Proper Shipping Name:	-
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Labels(s):	-
14.4 Packing Group:	-
14.5 Environmental hazards:	-
14.6 Special precautions for user:	-



IMDG

14.1 UN Number: -
14.2 UN Proper Shipping Name: -
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Labels(s): -
EmS No.: -
14.4 Packing Group: -
14.5 Environmental hazards: -
14.6 Special precautions for user: -

IATA

14.1 UN Number: -
14.2 UN Proper Shipping Name: -
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Labels(s): -
14.4 Packing Group: -
14.5 Environmental hazards: -
14.6 Special precautions for user: -
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:

Regulations (EC) No. 2037/2000

Substances that deplete the ozone layer:

None

Regulations (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 - 16

Wording of the 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

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).