

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Agip metalClean A 310, Art.-no. 0862
Revision date : 01.04.2015
Print date : 24.04.2015

Version (Revision) : 3.0.0 (1.0.0)

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

1.1 Product identifier

Agip metalClean A 310

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

Relevant identified uses

Metal working fluids

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor)

Eni Schmiertechnik GmbH

Street :

Paradiesstraße 14

Postal code/city :

97080 Würzburg

Telephone :

(+49) 931-90098-0

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Information contact :

Technical Department, Tel. (+49) 931 900 98-142

email:

technik.wuerzburg@agip.de, www.enischmiertechnik-datenblaetter.de

1.4 Emergency Telephone Number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor

P331 Do NOT induce vomiting.

P405 Store locked up.

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

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2.3 Other hazards

None

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description

Preparation of solvent refined mineral oils with low content of aromatic hydrocarbons and additives.

Hazardous ingredients

hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; REACH registration No. : 01-2119456810-40 ; EC No. : 920-901-0;
CAS No. : 90622-58-5

Weight fraction : 90 - 100 %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. Where appropriate artificial ventilation. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Call a physician immediately. Rinse mouth thoroughly with water. Where appropriate artificial ventilation. Observe risk of aspiration if vomiting occurs. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Self-protection of the first aider

No direct artificial respiration to be given by first aider. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

Protect your self against exposure to chemicals or blood-borne diseases by wearing gloves and eye protection. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Cough Respiratory complaints Dyspnoea Fever Vomiting Pneumonia Symptoms can occur only after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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Foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray, Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Smoke and other incomplete combustion products.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. 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

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Wear breathing apparatus if exposed to vapours/aerosols. Ventilate affected area. Keep away from sources of ignition. - No smoking.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stop and contain spill/release if it can be done safely. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protection equipment (see chapter 8). Use only in well-ventilated areas. Put lids on containers immediately after use. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray. Keep away from sources of ignition. - No smoking. Use only antistatically equipped (spark-free) tools.

Protective measures

Measures to prevent fire

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Take precautionary measures against static discharge. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Reignition possible over considerable distance.

Environmental precautions

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Do not allow to enter into surface water or drains.

Advices on general occupational hygiene

When using do not eat, drink, smoke. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage. Take precautionary measures against static discharge. Provide earthing of containers, equipment, pumps and ventilation facilities.

Suitable container/equipment material: Steel Refined steel

Unsuitable container/equipment material: NR (natural rubber, natural latex) NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Hints on joint storage

Keep away from: Oxidising agent

Storage class : 10

Storage class (TRGS 510) : 10

Do not store together with

Food and feedingstuffs

Further information on storage conditions

Recommended storage temperature : 5 - 40°C / 40 - 105°F.

Protect against : Frost, Heat, UV-radiation/sunlight, Humidity. Water,

Storage stability : Product may be stored for up to 24 months under described conditions.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

metal working coolant

Limit value type (country of origin) : AGW (D)

Parameter : vapour + aerosol

Limit value : 10 mg/m³

Version :

8.2 Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Eye/face protection

Eye glasses with side protection (DIN EN 166)

Skin protection

Hand protection

Tested protective gloves must be worn: DIN EN 374

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. Check leak tightness/impermeability prior to use.

Suitable material :

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Wearing time with permanent contact:
Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), PVA (Polyvinyl alcohol),
Thickness of the glove material: 0,70 mm
Breakthrough time (maximum wearing time): > 480 min
Wearing time with occasional contact (splashes):
Material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), PVA (Polyvinyl alcohol),
Thickness of the glove material: 0,40 mm
Breakthrough time (maximum wearing time): > 30 min

Breakthrough time (maximum wearing time): : 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.

Body protection

Body protection: not required. If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Respiratory protection

Usually no personal respiratory protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation aerosol or mist formation.

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

General health and safety measures

When using do not eat, drink, smoke. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Do not put any product-impregnated cleaning rags into your trouser pockets. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : light brown

Odour : characteristic

Safety relevant basis data

pH value :			No data available	
Boiling temperature :	(1013 hPa)	>	190 °C	
Flash point :		>	61 °C	DIN EN ISO 2592
Pour Point:		<	-20 °C	
Flammability (Solid, Gas):			not applicable	
Lower explosion limit :			0,6 Vol-%	
Upper explosion limit :			7 Vol-%	
Vapour pressure :	(20 °C)		0,4 hPa	
Vapour Density (Air = 1):		>	1	
Evaporation Rate :			no data available	
Density :	(15 °C)		0,772 g/cm ³	DIN EN ISO 12185
Water solubility :	(20 °C)		non miscible	
Partition Coefficient (n-octanol/water):	(log Pow)		no data available	
Ignition temperature :		>	200 °C	
Cinematic viscosity :	(40 °C)	ca.	1,3 mm ² /s	DIN EN ISO 3104
Decomposition temperature :			No data available	
Odour threshold :			No data available	
Oxidizing Properties:			not oxidising	
Explosive Properties:			not explosive	

9.2 Other information

None

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SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5 Incompatible materials

Oxidising agent, strong.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The statement is derived from products of similar structure or composition.

Acute effects

No data available to indicate product may be an acute toxic oral, dermal or inhalation hazard.

Acute oral toxicity

Parameter : LD50 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Method : OECD 401

Acute dermal toxicity

Parameter : LD50 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Exposure route : Dermal
Species : Rat
Effective dose : > 5000 mg/kg
Method : OECD 402

Acute inhalation toxicity

Parameter : LC50 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Exposure route : Inhalation
Species : Rat
Effective dose : > 5 mg/l
Exposure time : 4 h
Method : OECD 403

Irritant and corrosive effects

Not an irritant.

Primary irritation to the skin

Parameter : Primary irritation to the skin (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Species : Rabbit
Result : Mild effects but not relevant for classification.
Method : OECD 404

Irritation to eyes

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Parameter : Irritation to eyes (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Species : Rabbit
Result : Mild effects but not relevant for classification.
Method : OECD 405

Sensitisation

Contains components in low concentrations (< 1%) that present a skin-sensitizing potential.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute dermal toxicity

Has degreasing effect on the skin.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

no known significant effects or critical hazards.

Germ cell mutagenicity/Genotoxicity

no known significant effects or critical hazards.

Reproductive toxicity

no known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

STOT SE 1 and 2

Not expected to cause organ damage from a single exposure.

Specific target organ toxicity (repeated exposure)

STOT RE 1 and 2

Not expected to cause organ damage from prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material. For viscosity data, see chapter 9.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Harmless to aquatic organisms up to the tested concentration

Acute (short-term) fish toxicity

Parameter : LC0 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 1000 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC0 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 1000 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC0 (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 1000 mg/l
Exposure time : 72 h

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12.2 Persistence and degradability

Abiotic degradation

Physicochemical elimination

Poorly watersoluble product. Can be mechanically precipitated to a large extent in biological sewage plants.

Biodegradation

Analytical method : Biodegradation (hydrocarbones, C11-C13, isoalkanes, < 2% aromatics ; CAS No. : 90622-58-5)

Degradation rate : 31,3 %

Time : 28

Evaluation : Not readily biodegradable (according to OECD criteria)

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Contains components with the potential to bioaccumulate.

12.4 Mobility in soil

Floats on water.

Adsorbs to soil and has low mobility.

12.5 Results of PBT and vPvB assessment

The substance does not fulfill the screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

12.6 Other adverse effects

Damage can be caused through mechanical influence of the product (eg. sticking).

12.7 Further ecological information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste code product

12 01 07*

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

Waste name

Mineral-based machining oils free of halogens (except emulsions and solutions).

Waste treatment options

Appropriate disposal / Product

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

Other disposal recommendations

Containers, even those that have been emptied, can contain product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, drill, grind, weld or perform similar operations on or near containers.

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Labelling (67/548/EEC or 1999/45/EC) · 03. Substances · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values

16.2 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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation for Classification, Labelling and Packaging

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

