



Agip Schmiertechnik

MATERIAL SAFETY DATA SHEET according to 1907/2006/EC

Date of issue: 15.06.2000

Revised on: 29.01.2008

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1. Identification of substance

Trade name: Agip metalStanz 3M

Application of the material/preparation:

Not water miscible cooling lubricant

Supplier:

Agip Schmiertechnik GmbH, Paradiesstr. 14, 97080 Würzburg

Tel. 0931/900 98-0

Fax: 0931/98442

Advising/Support:

PMM/Anwendungstechnik, Tel. 0931/900 98-143 (during working hours)

2. Hazards identification

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions and personal protective equipment are kept.

Hazard designation:

Classification letter and hazard designation:

Xn Harmful

R-sets:

R65

Harmful: may cause lung damage if swallowed.

Information pertaining to particular dangers for man and environment:

The product is a water hazardous material.

Additional information:

May form flammable vapour-air -mixtures during the application.



3. Composition/information on ingredients

Chemical characterisation:

Preparation of highly refined mineral oils and additives.

Hazardous ingredients:

CAS-no.	Designation	Content%	Classification	R-sets
	Dearomatised low viscous hydrocarbon mixture	90	Xn	R65
	Ethoxylate	4	Xi	R 36/38

4. First aid measures

4.1. General information

Self-protection of the first helper.

Change oil soaked clothing and shoes. Never put oil containing rags in cloth pockets.

4.2. First aid after inhalation

In case of irritations get medical attention.

4.3. First aid after skin contact

At skin contact wash immediately with plenty of water.

If irritation persists get medical attention.

4.4. First aid after eye contact

At eye contact rinse thoroughly with plenty of water and get medical attention.

4.5. First aid after ingestion

Do not induce vomiting.

Take medicinal charcoal.

Get immediate medical attention.

4.6. Information for the physician

No further information.

5. Fire fighting measures

Suitable extinguishing agents:

Foam, dry chemicals, gaseous extinguishing agents, carbon dioxide, sand, water spray jet and water mist.

For safety reasons unsuitable extinguishing agents:

Water jet

Particularly hazardous through the material or the product itself, its combustion products or developed gases:

Danger defining flue gases in case of fire are:

Oxides of nitrogen, carbon monoxide (CO), soot.

Special protective equipment for fire fighting:

Do not inhale explosion and flue gases.

Wear fully protection suit.

Use independent breathing apparatus (insulation equipment).

Additional information:

Use water sprays to cool containers exposed to the flames.

Collect contaminated fire fighting water separately; do not allow to enter sewage system.

Fire residues and contaminated fire fighting water have to be disposed according to the local regulations.



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6. Accidental release measures

Person-related safety precautions:
 Use respiratory protection in case of vapours/dust/aerosols.
 Particular danger of slipping on leaked/spilled product.
 Forms slippery layers with water.
 Environmental protection measures:
 Do not allow to enter drainage system, surface or ground water.
 Do not allow to enter ground/soil.
 Prevent from spreading (e. g. by binding or oil barriers).
 Inform local authorities when leaking into surface water, drainage systems or ground.
 Measures for cleaning/collecting:
 Pick up with suitable liquid binding materials.
 Recycling or disposal in suitable containers.
 Dispose of material collected according to regulations.
 In case larger quantities are leaking take measures to avoid further spreading.
 Additional information:
 None.

7. Handling and storage

7.1. Handling

Information for safe handling:
 Avoid formation of oil mist.
 Avoid spillage of product.
 When handling heavy containers wear safety shoes and use suitable tools.
 Information about protection against explosions and fires:
 Fire class according to DIN EN 2: B

7.2. Storage

Requirements to be met by storerooms and containers:
 Prevent penetration into the ground.
 Use only containers that are especially approved for this product.
 Information about storage in one common storage facility:
 Do not store together with oxidants.
 Further storage recommendations:
 Recommended storage temperature: 10 - 25 °C.
 Protect from frost.
 Storage stability:
 Storage period under the described conditions: 12 months.

8. Exposure limit and personal protection equipment

8.1. Additional information about design of technical systems

Observe the Technical Regulations for Hazardous Materials (TRGS), Regulations of Hazardous Materials (VAwS), Ordinance of Combustible Liquids (VbF), Technical Regulations about Flammable Liquids (TRbF) as well as the Water Conservation Regulation (WHG) and local Water Regulations.

8.2. Components with critical values that require monitoring at the workplace

Components	CAS number	Type	Value
Cooling lubricant (vapour + aerosol)	n. m.	MAK	10 mg/m ³

8.3. Personal protective equipment

Respiratory protection at formation of oil mist.
 Oil tight protection gloves, as long as safety-related acceptable.
 Safety glasses in case of splashing danger.
 Light protection clothing.

9. Physical and chemical properties

9.1. Appearance

Form liquid
Colour yellow
Odour light

9.2. Safety relevant data

	Value	Unit	Method
pH value at 20°C:	n.a.		
Appropriate concentration in water			
Boiling point	n.d.	°C	
Pour point	< -5	°C	
Flashpoint	> 105	°C	DIN EN ISO 2592
Ignitability	---	°C	



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Ignition temperature	n.d.	°C			
Self-ignitability	---	°C			
Lower explosion limit	0,6	Vol.%			
Upper explosion limit	6,5	Vol.%			
Vapour pressure 20°C:	n. d.	hPa			
Density at 15°C:	0,82	g/cm ³	DIN EN ISO 12185	and	hPa

9.3. Further information

Kin. Viscosity at 40°C: approx. 3 mm²/s DIN EN ISO 3104.

Not miscible with water.

10. Stability and reactivity

Conditions to avoid: No decomposition when used as intended.

Materials to avoid: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute oral toxicity / LD50:

LD50, oral rat more than 2.000 mg/kg (estimated)

Acute dermal toxicity / LD50:

LD50, dermal rabbit more than 2.000 mg/kg (estimated)

Acute inhalative toxicity / LC50:

There are no values known for this product.

Irritant effect on the skin - possible.

Irritant effect on the eye - possible.

Skin sensitisation - not known.

Practical experience:

Repeated and prolonged skin contact may cause skin irritations.

12. Ecological information

Physico-chemical eliminability:

Easily eliminable from water.

The product is not water miscible.

Biodegradability:

No data available.

Biological eliminability:

No data available.

General information / ecology:

Do not allow product to enter the environment uncontrolled.

Prevent penetration of ground, water courses and sewage system.

13. Disposal considerations

Waste disposal number 120107

Disposal / product:

Disposal or recycling according to the Regulations of the Waste Law. In detail the Remainder Material Ordinance has to be observed.

Disposal to authorised collectors.

Observe the Waste Oil Regulation as well as the Leaflet of the Association of the German Petroleum Industry

Recommended recycling after emulsion separation:

Thermal recycling in authorised plants.

PCB content: Without PCB containing components.

Halogen content: Without halogen containing components.

120107 drilling, cutting and grinding oils

Disposal / uncleaned packaging:

Packaging that cannot be cleaned has to be disposed according to the legal regulations or within the packaging disposal of the mineral oil industry.

14. Transport information

14.1. Road transport Class: No dangerous material

Danger notice --- UN number ---

14.2. Barg transport

Class: No dangerous material

14.3. Sea transport

Class: No dangerous material

14.4. Air transport

Class: No dangerous material



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14.5. Further transport information

Transport / Mailing:

Mailing admitted according to Paragraph 13/Mail Regulation.

15. Regulations

15.1. Designation according to EU Guidelines

Hazard designation of the product

Xn Harmful

Product contains low viscous hydrocarbon mixture

R-set

R65 Harmful: may cause lung damage if swallowed

S-set

23 Do not breathe gas/smoke/vapour/aerosol

27 Take off immediately all contaminated clothing

29 Do not empty into drains

62 If swallowed, do not induce vomiting: seek medical advice immediately

Further information

The product is subject to classification according to the EU Guidelines/GefStoffV (Ordinance on Hazardous Substances).

Safety data sheet available for professional user on request.

15.2. National regulations

Accident ordinance

Accident number n. m.

TA Air

- does not fall under the TA-Air

Water hazardous class

1 slightly hazardous

The classification into a water hazardous class is in accordance with Annex 4, number 3 of the VwVwS.

Identification number according to the catalogue of water hazardous materials:---

Self-classification WGK

Other regulations, restrictions and prohibition

16. Other information

The information contained in this safety data sheet is based on our current information level and shall serve to describe the products concerning to possible safety requirements. This information does not give assurance for certain product properties and does not establish a contractual relationship.

Relevant R-sets according to the components in item 2:

36/38 Irritating to eyes and skin

R65 Harmful: may cause lung damage if swallowed

Use only for industrial purpose. Observe Leaflet of the Association of the German Petroleum Industry about the usual precautionary measures in handling liquid mineral oil products and greases.

The informations refer to the mentioned product. However they cannot apply anymore when the product is used together with other materials or in a working process. The statement corresponds with our knowledge and experience at the given time. However no liability is given for faultlessness, reliability and completeness. The user must convince itself that all statements are suitable and complete for its respective use.