



Agip Schmiertechnik

MATERIAL SAFETY DATA SHEET according to 1907/2006/EC

Date of issue: 15.10.2000

Revised on: 14.08.2007

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1. Identification of substance

Trade name: Agip metalStanz 4 EP

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. Composition/information on ingredients

Chemical characterisation:

Preparation based on volatile hydrocarbons and additives.

Dangerous components	%range	Symbol	R-sets
Isoparaffines, VbF A III, low viscous	50 - 99	Xn	53, 65, 66

3. Possible hazards

Under observation of the usual precautions when handling mineral oil products as well as the information about handling and personal protection equipment there are no special hazards expected.

Hazards designation: Xn Harmful

Information pertaining to particular dangers for man and environment:

May form flammable vapour-air mixtures during application.

This product is a water hazardous material, see WGK information.

R65 Harmful: may cause lung damage if swallowed.

Classification system:

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.

4. First aid measures

4.1. General information

Self-protection of the first helper.

Remove dirty, oil soaked clothing and shoes and remove safely.

4.2. First aid after inhalation

Supply fresh air and keep victim at rest.

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

May cause lung damage if swallowed.

5. Fire fighting measures

The fire fighting measures have to be adjusted to the environment.

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:

Carbon oxides (CO, CO₂)

Nitrogen oxides (NO_x)

Special protective equipment for fire fighting:

Do not inhale explosion and flue gases.

Wear fully protection suit.

Use independent breathing apparatus (insulation equipment).



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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.

6. Accidental release measures

Person-related safety precautions:

Keep personnel away and stay on wind facing side.

Use personal protection clothing.

Use respiratory protection in case of vapours/dust/aerosols.

Particular danger of slipping on leaked/spilled product.

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 in to 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.

Additional information:

None.

7. Handling and storage

7.1. Handling

Information for safe handling:

Avoid formation of oil mist.

Take care of sufficient ventilation at the processing machines.

Information about protection against explosions and fires:

No special measures required.

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: 20°C

Protect from frost.

Storage stability:

Storage period under the described conditions: 24 months.

Storage class: 3B flammable liquids

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

Component	CAS number	Type	Value
Hydrocarbon vapours accord. to TRGS 901 serial no. 72 T2			max. 200 ml/m ³

8.3. Personal protection equipment

Respiratory protection at aerosol and mist formation.

Oil tight protection gloves, as far as safety-related acceptable.

Safety glasses in case of splashing danger.

Light protection clothing.

Do not inhale vapours.

Avoid eye and skin contact.

Hygiene measures:

Do not drink, eat or smoke or snuff during work.

Keep away from foodstuff and beverages.

Preventive skin protection with skin ointment.

Wash hands before break and after end of work.

Take care of careful skin cleaning and care after work.



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Do not carry product soaked rags in trouser pockets.
Change dirty, soaked clothing immediately.

9. Physical and chemical properties

9.1. Appearance

Form liquid

Colour colourless

Odour typical

9.2. Safety relevant data

	Value	Unit	Method
pH value at 20°C (30 g/l) :	n. a.		
Appropriate concentration in water	n. a.	g/l	
Boiling point	n. a.	°C	
Pour point	< -20	°C	
Flashpoint	56	°C	DIN 51 376
Ignitability	no	°C	
Ignition temperature	n. d.	°C	
Self-ignitability	no	°C	
Lower explosion limit	0,6	Vol%	
Upper explosion limit	7,0	Vol%	
Vapour pressure 20 °C:	0,1	mbar	
Density at 20 °C:	780	g/cm ³	DIN 51 757

9.3. Further information

Viscosity at 20°C: approx. 2,4 mm²/s
The product is not soluble in water.

10. Stability and reactivity

Dangerous reactions:
Reactions with strong oxidants.
In effect on acids warmth development.
Dangerous decomposition:
None at correct storage/handling/transportation.
Thermal decomposition:
None at correct storage/handling/transportation.
Further information:
None.

11. Toxicological information

Acute oral toxicity / LD50:
LD50, oral rat more than 2000 mg/kg
Acute dermal toxicity / LD50:
No values are reported for this product.
Acute inhalative toxicity / LC50
No values are reported for this product.
Irritant effect on the skin / rating:
Irritant
Sensitisation/ rating:
Not sensitising
Experience from the practice:
Repeated and prolonged skin contact may cause skin irritations.

12. Ecological information

Physico-chemical eliminability / rating:
Easily eliminable from water.
The product is not water miscible.
Biodegradability / rating:
Not easily biodegradable.
No values are reported for this product.
Behaviour in environmental systems:
Do not allow product to reach environment uncontrolled.

13. Disposal considerations

Waste disposal no. 070604 other organic solvents, washing liquids and mother lyes

Disposal product:

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



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Disposal to authorised collectors.
Observe the Waste Oil Regulations as well as the Leaflet of the Association of the German Petroleum Industry.
PCB content: Without PCB containing components.
Halogen content: Without halogen containing components.

14. Transport information

Road Transport ADR/RID and GGVS/GGVE (transboundary/Inland):

ADR/RID-GGVS/E class: 3 (F1) flammable liquid materials
Kemler number: 30
UN number: 3295
Packaging group: III
Danger note: 3
Designation of the good: 3295 Hydrocarbons, liquid, n. o. s., Pentamethylheptane

Sea transport IMDG/GGVSea:

IMDG/GGVSea class: 3
UN number: 3295
Label: 3
Packaging group: III
EMS number: F-E, S-D
Marine pollutant: Nein/No
Correct technical name: Hydrocarbons, liquid, n. o. s., Pentamethylheptane

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class: 3
UN/ID number: 3295
Label: 3
Packaging group: III
Correct technical name: Hydrocarbons, liquid, n. o. s., Pentamethylheptane

15. Regulations

15.1. Designation according to EU Guidelines

Hazard designation of the product

Xn Harmful

Product contains

Isoparaffines, low viscous

R-sets

65 Harmful: may cause lung damage if swallowed

S-sets

24/25 Avoid contact with skin and eyes
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
27 Take off immediately all contaminated clothing
29 Do not empty into drains
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Further information

EWG designation:

The product is subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Safety Data Sheet available for professional user on request.

15.2. National regulations

Accident Ordinance

Accident number n. m.

Water hazardous class (WGK):

1 slightly hazardous for water

The classification into a Water hazardous class (WGK) is according to attachment 4, number 3 of the VwVwS.

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

Self-classification according to WGK

Other regulations, restrictions and prohibitions

In case of fire CO, CO₂ and NO_x are developed.

Water hazardous material according to paragraph 19 Water Conservation Regulation (WHG).

Country Water Regulations, observe VAwS as well as VLwF

Content of volatile components (VOC): 86%



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16. Other information



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

R53 May cause long-term adverse effects in the aquatic environment

R65 Harmful: may cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

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.