

Safety data sheet

Plurasafe WGF[®] 46 5K Hydraulic Fluid

Revision date : 2008/09/08
Version: 1.1

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(30449203/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
111-46-6	50.0 - 55.0 %	DIHYDROXYDIETHYL ETHER
7732-18-5	30.0 - 40.0 %	Water
52624-57-4	10.0 - 15.0 %	Polyalkylene Glycol
	0.0 - 5.0 %	Various Additives

3. Hazard identification

Emergency overview

WARNING: CAN CAUSE LIVER DAMAGE.
CONTAINS MATERIAL WHICH CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
CAN CAUSE KIDNEY DAMAGE.
CONTAINS MATERIAL THAT MAY ADVERSELY EFFECT THE DEVELOPING FETUS.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of mists/vapours.
Use with local exhaust ventilation.
Wear NIOSH-certified chemical goggles.
Wear chemical resistant protective gloves.
Wear protective clothing.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

4. First-aid measures

General advice:

Remove contaminated clothing.

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If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-fighting measures

Flash point:

Not applicable

Autoignition: 407 °C

Suitable extinguishing media:

dry extinguishing media, foam, water fog

Hazards during fire-fighting:

irritant gases/vapours

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

The substance/product is combustibile after drying/evaporation of the non-combustible solvent fraction.

NFPA Hazard codes:

Health : 2 Fire: 0 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and storage

Handling

General advice:

Keep container tightly sealed. Handle and open container with care.

Protection against fire and explosion:

Avoid extreme heat.

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Storage

General advice:

Keep container tightly closed in a cool, well-ventilated place.

Storage incompatibility:

General: Segregate from acids and bases. Segregate from strong oxidizing agents.

8. Exposure controls and personal protection

Advice on system design:

Ventilation is recommended to minimize exposure to finish mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Avoid prolonged and/or repeated contact with the skin. Avoid inhalation of vapours/mists. Do not get in eyes, on skin, or on clothing. Avoid all routes of exposure including ingestion, skin absorption and inhalation. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	of glycol	
Colour:	greenish	
pH value:	9.4	(25 °C)
pour point:	-66 °C	
Boiling point:	100 °C	(760 mmHg)
Vapour pressure:	0.666 mbar	(20 °C)
Density:	1.088 g/cm ³	(20 °C)
Relative density:	1.091	
Viscosity, dynamic:	46 mPa.s	(40 °C)
Viscosity, kinematic:	40 mm ² /s	
Solubility in water:		completely soluble

10. Stability and reactivity

Hazardous reactions:

The product is chemically stable.

Corrosion to metals:

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No corrosive effect on metal.

11. Toxicological information

Oral:

Information on: diethylene glycol
LD50/rat/male: 19,600 mg/kg

Skin irritation:

Information on: diethylene glycol
rabbit: non-irritant

Eye irritation :

Information on: diethylene glycol
rabbit: non-irritant

Chronic toxicity

Other information:

The statements are based on the properties of the the individual components.

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Readily biodegradable (according to OECD criteria).
The product has not been tested. The statement has been derived from the
properties of the individual components.

Information on: diethylene glycol
Acute and prolonged toxicity to fish:
Flow through.
Fathead minnow/LC50 (96 h): 75,200 mg/l
The statement of the toxic effect relates to the analytically determined concentration.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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14. Transport information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported

SARA hazard categories (EPCRA 311/312): Chronic

State regulations

State RTK

CAS Number
111-46-6

Chemical name
DIHYDROXYDIETHYL ETHER

State RTK
PA

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other information

HMIS III rating

Health: 2⁺ Flammability: 0 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

prod_reg@basf.com

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