

Safety data sheet

Plurasafe® WI 46 HP

Revision date : 2006/08/03
Version: 1.2

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(30282910/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

Molecular weight: 770 g/mol
Chemical family: alkoxyated, alcohols

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
9038-95-3	>= 98.0 %	Oxirane, methyl-, polymer with oxirane, monobutyl ether
92-84-2	<= 1.0 %	Proprietary
	<= 1.0 %	phenothiazine

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of mists/vapours.

Use with local exhaust ventilation.

Wear NIOSH-certified chemical goggles.

Wear a NIOSH-certified (or equivalent) organic vapour respirator.

Wear chemical resistant protective gloves.

Eye wash fountains and safety showers must be easily accessible.

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.

Medical conditions aggravated by overexposure:

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.
See MSDS section 11 - Toxicological information.

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: 321 °C (DIN/ISO 2592)
Autoignition: 400 °C (DIN 51794)

Suitable extinguishing media:

water spray, dry extinguishing media, foam

Protective equipment for fire-fighting:

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

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Further information:

High risk of slipping due to leakage/spillage of product.

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7. Handling and storage

Handling

General advice:

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

8. Exposure controls and personal protection

Components with workplace control parameters

phenothiazine

ACGIH TWA value 5 mg/m³ ; Skin Designation ;

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

9. Physical and chemical properties

Form:	liquid, viscous	
Odour:	mild, of glycol	
Colour:	colourless to yellowish	
pH value:	5.5 - 8.0	(10 %(m))
pour point:	-42 °C	(ASTM D97)
Boiling point:	310 °C	(1.013 bar)
Vapour pressure:	0.067 hPa	(20 °C)
	0.27 hPa	(50 °C)
Density:	0.984 g/cm ³	(20 °C) (ASTM D4052)
Viscosity, kinematic:	46 mm ² /s	(40 °C) (ASTM D445)
% volatiles:	< 1 %	
Solubility in water:		soluble

10. Stability and reactivity

Substances to avoid:

No substances known that should be avoided.

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Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 2,000 mg/kg

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

Chronic toxicity

Other information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological information

Environmental fate and transport

Biodegradation:

Test method:	OECD 301F; ISO 9408; 92/69/EEC, C.4-D
Method of analysis:	BOD of the ThOD
Degree of elimination:	> 70 %
Evaluation:	Readily biodegradable (according to OECD criteria). The product is biodegradable.

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Environmental toxicity

Acute and prolonged toxicity to fish:

golden orfe/LC50 (96 h): > 500 mg/l

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Acute toxicity to aquatic invertebrates:

OECD Guideline 202, part 1 static

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Daphnia magna/EC50 (48 h): > 100 mg/l

Toxicity to microorganisms:

DEV-L2 :

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

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

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

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

RCRA: NA

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:

ACGIH TLV established

SARA hazard categories (EPCRA 311/312): Acute

State regulations

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State RTK

CAS Number

92-84-2

Chemical name

phenothiazine

State RTK

MA, NJ, 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: 1 Flammability: 1 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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