

Safety data sheet

PLURASAFE WS 100 GL GEAR LUBRICANT

Revision date : 2009/02/18
Version: 1.0

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(30464643/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>
9038-95-3	90.0 - 100.0 %	Oxirane, methyl-, polymer with oxirane, monobutyl ether

3. Hazard identification

Emergency overview

WARNING: CAUSES RESPIRATORY TRACT IRRITATION.
Prolonged exposure may cause irritation of skin, eyes and mucous membranes.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
Use with local exhaust ventilation.
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Wear NIOSH-certified chemical goggles.
Wear protective clothing.
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.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

If on skin:

Wash thoroughly with soap and water.

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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.

5. Fire-fighting measures

Flash point: 305 °C (ASTM D92)

Suitable extinguishing media:

water spray, dry extinguishing media, foam

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

NFPA Hazard codes:

Health : 2 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:

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

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.

7. Handling and storage

Handling

General advice:

No special measures necessary provided product is used correctly.

Storage

General advice:

Store protected against freezing.

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8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	of polyglycol	
Colour:	colourless to yellow	
pH value:	7 - 9	(measured in a solution of isopropanol and water)
pour point:	-54 °C	(ASTM D97)
Boiling point:	232 °C	(ASTM D1120)
Vapour pressure:	2 mmHg	(20 °C)
	3 mmHg	(50 °C)
Density:	1.04 g/cm ³	(20 °C)
Viscosity, kinematic:	100 mm ² /s	(40 °C) (ASTM D445)
Solubility in water:		completely soluble
Miscibility with water:	>90%	miscible

10. Stability and reactivity

Decomposition products:

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

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 2,000 mg/kg

Inhalation:

LC50/rat: > 1 - < 5 mg/l / 4 h

An aerosol was tested.

Literature data.

Skin irritation:

rabbit: non-irritant

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

Eye irritation :

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rabbit: non-irritant

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

Chronic toxicity

Other information:

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological information

Environmental fate and transport

Biodegradation:

Test method:	OECD 301B; ISO 9439; 92/69/EEC, C.4-C
Method of analysis:	CO2 formation relative to the theoretical value
Degree of elimination:	> 60 %
Evaluation:	Biodegradable. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Environmental toxicity

Acute and prolonged toxicity to fish:

golden orfe/LC50 (96 h): > 100 mg/l

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

Toxicity to microorganisms:

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

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

Other ecotoxicological advice:

Do not release untreated into natural waters. The product has not been tested. The statement has been derived from products of a similar structure and composition.

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.

14. Transport information

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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:

Acute target organ effects reported, Toxic - inhalation

SARA hazard categories (EPCRA 311/312): Acute

State regulations

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: 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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