



The Chemical Company

Safety data sheet

Plurasafe® Insure™ 460 Gear Lubrica

Revision date : 2009/04/20
Version: 1.0

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(30469179/SDS_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>
	80.0 - 100.0 %	Polyether polyol
	0.0 - 20.0 %	Proprietary additives

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.

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.

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. 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: 277 °C (ASTM D92)
Autoignition: 374 °C
Self-ignition temperature: not self-igniting

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 : 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:

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.

Storage

General advice:

Keep container tightly closed in a cool, well-ventilated place. Avoid all sources of ignition: heat, sparks, open flame.

Storage incompatibility:

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

8. Exposure controls and personal protection

Advice on system design:

Provide adequate exhaust ventilation to control work place concentrations.

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:

Safety glasses with side-shields.

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:

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. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid, viscous	
Odour:	of polyglycol	
Colour:	colourless to yellow	
pH value:	7 - 9	(10 %(m)) (measured in a solution of isopropanol and water)
pour point:	-39 °C	(1,013 hPa) (ASTM D97)
Boiling point:	300 °C	(ASTM D1120)
Vapour pressure:	< 1.3 hPa	(25 °C)
Density:	1.05 g/cm ³	(20 °C)
Viscosity, kinematic:	460 mm ² /s	(40 °C) (ASTM D445)
Solubility in water:		soluble

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10. Stability and reactivity

Substances to avoid:

No substances known that should be avoided.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

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

LD50/rat: > 2,000 mg/kg

Inhalation:

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

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 :

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.

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.

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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:

The product has not been tested. The statements on ecotoxicology have 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.

14. Transport information

Reference Bill of Lading

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): Not hazardous

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.

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Local contact information

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