

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20
Version: 1.0

Page: 1/6
(30469176/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

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

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20

Version: 1.0

Page: 2/6

(30469176/SDS_GEN_US/EN)

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: 252 °C (ASTM D92)
Autoignition: 372 °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 : 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.

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20
Version: 1.0

Page: 3/6
(30469176/SDS_GEN_US/EN)

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: | -36 °C | (1,013 hPa) (ASTM D97) |
| Boiling point: | 288 °C | (ASTM D1120) |
| Vapour pressure: | < 1.3 hPa | (25 °C) |
| Density: | 1.05 g/cm ³ | (20 °C) |
| Viscosity, kinematic: | 220 mm ² /s | (40 °C) (ASTM D445) |
| Solubility in water: | | soluble |

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20

Version: 1.0

Page: 4/6

(30469176/SDS_GEN_US/EN)

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:

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 statements on toxicology have 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). |

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

Toxicity to microorganisms:

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20
Version: 1.0

Page: 5/6
(30469176/SDS_GEN_US/EN)

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

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: Not hazardous

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.

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

Safety data sheet

Plurasafe® Insure™ 225 Gear Lubrica

Revision date : 2009/04/20
Version: 1.0

Page: 6/6
(30469176/SDS_GEN_US/EN)

Plurasafe® Insure™ 225 Gear Lubrica is a registered trademark of BASF Corporation or BASF SE

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET