

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08
Version: 2.0

Page: 1/6
(30171893/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>
7732-18-5	>= 40.0 - <= 50.0 %	Water
57-55-6	>= 38.0 - <= 48.0 %	Propylene glycol

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.

Acute toxicity:

Overexposure via ingestion may cause diarrhea and weakness. Inhalation of vapours or aerosols may cause respiratory tract irritation.

Information on: Propylene glycol

Virtually nontoxic after a single ingestion.

Virtually nontoxic after a single skin contact.

Irritation:

Information on: Propylene glycol

Not irritating to the skin. Not irritating to the eyes.

Sensitization:

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08
Version: 2.0

Page: 2/6
(30171893/MDS_GEN_US/EN)

Information on: Propylene glycol
Skin sensitizing effects were not observed in animal studies.

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.

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: No data available.
Autoignition: No data available.

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 combustible after drying/evaporation of the non-combustible solvent fraction.

NFPA Hazard codes:

Health : 1 Fire: 1 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.

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08

Page: 3/6

Version: 2.0

(30171893/MDS_GEN_US/EN)

Cleanup:

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

7. Handling and storage

Handling

General advice:

Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

Keep container tightly closed. Store at ambient temperature.

Storage incompatibility:

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

8. Exposure controls and personal protection

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

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

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 based on level of activity and exposure.

General safety and hygiene measures:

Eye wash fountains must be easily accessible. Wear protective clothing as necessary to minimize contact. Avoid inhalation of vapours/mists. Avoid contact with the skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	of glycol, mild	
Colour:	light yellow	
pH value:		No data available.
Boiling point:	215 °F	(760 mmHg)
Relative density:	1.06	

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08

Version: 2.0

Page: 4/6

(30171893/MDS_GEN_US/EN)

10. Stability and reactivity

Hazardous reactions:

The product is chemically stable.

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat/male/female: > 10,400 mg/kg

Skin irritation:

rabbit: non-irritant (Draize test)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

Literature data.

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 301 A (new version) (aerobic), activated sludge, domestic

Method of analysis: DOC reduction

Degree of elimination: 90 - 100 % (8 d)

Evaluation: Readily biodegradable (according to OECD criteria).

Bioaccumulation:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Environmental toxicity

Acute and prolonged toxicity to fish:

OPP 72-1 (EPA-Guideline) static

Fathead minnow/LC50 (96 h): 54,900 mg/l

Acute toxicity to aquatic invertebrates:

OPP 72-2 (EPA-guideline) Daphnia magna/EC50 (48 h): 34,400 mg/l

Toxicity to aquatic plants:

OECD Guideline 201 green algae/EC50 (14 d): 19,000 mg/l

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08
Version: 2.0

Page: 5/6
(30171893/MDS_GEN_US/EN)

Toxicity to microorganisms:
OECD Guideline 209 aquatic
activated sludge/EC50 (0.5 h): > 1,000 mg/l

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.

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

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: Not hazardous

SARA hazard categories (EPCRA 311/312): Not hazardous

State regulations

State RTK

CAS Number
57-55-6

Chemical name
Propylene glycol

State RTK
PA

CA Prop. 65:

Safety data sheet

Plurasafe[®] WGF 46 FG

Revision date : 2006/05/08

Page: 6/6

Version: 2.0

(30171893/MDS_GEN_US/EN)

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

Plurasafe is a registered trademark of BASF Corporation or BASF AG
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