

**DuPont™ TPQ89**

Version 2.1

Revision Date 02/29/2016

Ref. 130000140838

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ TPQ89
Tradename/Synonym : IN-TPQ89
Polymer based on: alkylene glycols modified, in water

Product Use : Additive

Restrictions on use : Do not use product for anything outside of the above specified uses.

Manufacturer/Supplier : BASF

Product Information : +1-800-441-7515 (outside the U.S. +1-302-774-1000)
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Other hazards

May cause eye, skin, and respiratory tract irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
TRADE SECRET		10 - 50 %

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Water	7732-18-5	50 - 90 %
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The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
For medical emergencies involving this product, call toll free 1-800-441-3637.
See Label for Additional Precautions and Directions for Use.
- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Ingestion : Call a physician or poison control centre immediately. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
- Most important symptoms/effects, acute and delayed : No applicable data available.
- Protection of first-aiders : No applicable data available.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

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- Suitable extinguishing media : Suitable:, Water spray, Dry powder, Foam
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Specific hazards : No applicable data available.
- Special protective equipment for firefighters : No applicable data available.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Control access to area. Use personal protective equipment. Take precautionary measures against static discharges. Keep people away from and upwind of spill/leak. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water. Do not let product enter drains.
- Spill Cleanup : Clean-up methods - small spillage Prevent further leakage or spillage. Soak up with inert absorbent material. Dispose of in accordance with local regulations.
Clean-up methods - large spillage Large spills should be collected mechanically (remove by pumping) for disposal.
- Accidental Release Measures : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove

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clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Handle in accordance with good industrial hygiene and safety practice.

- Handling (Physical Aspects) : No special protective measures against fire required.
- Dust explosion class : No applicable data available.
- Storage : Keep container tightly closed in a dry and well-ventilated place.
Stable under recommended storage conditions.
- Storage period : No applicable data available.
- Storage temperature : No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Hand protection : Material: Chemical-resistant gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Applicators and other handlers must wear:
Long sleeved shirt and long pants
Shoes plus socks
Wear suitable protective equipment.

Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Exposure Guidelines

Exposure Limit Values

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : liquid

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Form	: Aqueous solution
Color	: yellowish
Odor	: No applicable data available.
Odor threshold	: no data available
pH	: ca. 5 at 500 g/l 23 °C (73 °F)
Melting point/range	: No applicable data available.
Boiling point/boiling range	: No applicable data available.
Flash point	: > 100 °C
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: No applicable data available.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
Vapor pressure	: ca. 23 mbar at 20 °C (68 °F)
Vapor density	: not determined
Density	: ca. 1.03 g/cm ³ at 23 °C (73 °F)
Specific gravity (Relative density)	: no data available
Water solubility	: soluble, completely miscible
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: > 140 °C
Viscosity, kinematic	: No applicable data available.

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Viscosity, dynamic : ca. 300 mPa.s at 23 °C (73 °F)
Method: ISO 2555

SECTION 10. STABILITY AND REACTIVITY

- Reactivity : No hazards to be specially mentioned.
- Chemical stability : The product is chemically stable.
No decomposition if stored and applied as directed., The product is chemically stable under recommended conditions of storage, use and temperature.
- Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Polymerization will not occur.
- Conditions to avoid : No applicable data available.
- Incompatible materials : Light metals Strong acids and strong bases, Mild steel, reactive chemicals (particularly bases), Carbon steel
- Hazardous decomposition products : No applicable data available.

SECTION 11. TOXICOLOGICAL INFORMATION

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- Oral LD50 : > 2,000 mg/kg , Rat
- Skin irritation : No skin irritation, Rabbit
- Eye irritation : No eye irritation, Rabbit

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

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SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

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96 h LC50 : Leuciscus idus (Golden orfe) > 100 mg/l

72 h EC50 : > 100 mg/l

48 h EC50 : > 100 mg/l
: > 1,000 mg/l

Additional ecological information : Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

Do not contaminate water, food or feed by disposal.

Waste disposal methods - Container :

Container Refilling and Disposal:
Refer to the product label for instructions.
Do not transport if this container is damaged or leaking.Contaminated packaging : Do not re-use empty containers.
Puncture container to avoid re-use.**SECTION 14. TRANSPORT INFORMATION**

Not regulated in transportation by DOT/IMO/IATA.

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SECTION 15. REGULATORY INFORMATION

TSCA : On the inventory, or in compliance with the inventory

Other regulations : CAUTION!

May cause eye, skin, and respiratory tract irritation.

SARA 313 Regulated Chemical(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16. OTHER INFORMATION

Revision Date : 02/29/2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.