



MATERIAL SAFETY DATA SHEET (MSDS)

Texlor® P-stab



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MATERIAL SAFETY DATA SHEET (MSDS)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: Texlor® P-Stab

Chemical Nature: acrylic polymers in primary form

Supplier:

Texlora biochem SDN BHD

15, Jalan PBS, 14/9,

Taman Perindustrian Bukit Serdang,

43300 Seri Kembangan, Selangor, Malaysia.

Emergency Contact: +601124391837.

2. HAZARDS IDENTIFICATION

Classification (Based on pH > 11.5 and component analysis):

This mixture is classified as hazardous according to GHS criteria. Due to its high alkalinity, it poses a risk of serious irritation or corrosion.

GHS Classification (Inferred):

Skin Corrosion / Irritation: Category 2 (Causes skin irritation) or potentially Category 1B/1C depending on concentration.

Eye Damage / Irritation: Category 1 (Causes serious eye damage).

Corrosive to Metals: Category 1 (High pH may be corrosive to aluminum, zinc, etc.).

Label Elements (Inferred):



Signal Word: DANGER

Hazard Statements:

H290: May be corrosive to metals.

H315: Causes skin irritation.



H318: Causes serious eye damage.

Precautionary Statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection. (Specifically, alkali-resistant gear).

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature

Organic phosphonate-based chelating system (Alkaline)

Hazardous Components

Concentration Range

CAS Number (Typical)

Acrylic polymer

Proprietary Blend (High Concentration)

Various

Water

Balance

7732-18-5

4. FIRST AID MEASURES

Inhalation:

Move the exposed person to fresh air. If symptoms (e.g., coughing, burning sensation) persist, seek medical attention. High concentrations of mist may cause respiratory tract irritation.

Skin Contact:

Immediately remove contaminated clothing. Rinse skin thoroughly with plenty of water for at least 15-20 minutes. Wash contaminated clothing before reuse. If irritation or burns develop, seek medical attention immediately.

Eye Contact:

This is a critical hazard. Rinse **immediately** with plenty of water for at least 15-20 minutes, lifting upper and lower eyelids occasionally to ensure complete rinsing. Remove contact lenses if present. **Seek immediate medical attention (ophthalmologist).**

Ingestion:

Rinse mouth with water. Do NOT induce vomiting. Give water to drink if the person is conscious. Never give anything by mouth to an unconscious person. **Seek immediate medical attention.**

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide (CO₂), foam, dry chemical powder, or water spray. Use extinguishing media appropriate to the surrounding fire.



Unsuitable Extinguishing Media:

None known.

Specific Hazards:

The product itself is aqueous and non-flammable. However, thermal decomposition (above 130°C) may release phosphorus oxides (PO_x), sodium oxides, and carbon oxides (CO_x).

Protective Equipment for Firefighters:

Wear self-contained breathing apparatus and full protective clothing. Beware of alkaline run-off water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid direct contact. Use personal protective equipment: alkali-resistant gloves, goggles/face shield, and impervious apron. Provide adequate ventilation.

Environmental Precautions:

Prevent large quantities from entering drains, sewers, or watercourses due to high pH. Diluted product is less hazardous, but spills should be contained. Neutralization may be required.

Methods for Containment and Cleaning:

Contain: Dike far ahead of spill to prevent spreading.

Neutralize (Optional): For large spills, carefully neutralize with a dilute acid (e.g., acetic acid or sodium bisulfate) to a pH of 7-8, wearing full PPE.

Absorb: Soak up with inert material (e.g., sand, vermiculite, universal binder).

Dispose: Collect in suitable containers for disposal in accordance with local regulations. Wash the area with plenty of water.

7. HANDLING AND STORAGE

Handling:

Ensure good ventilation. Wear appropriate PPE at all times. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke while handling. Wash hands thoroughly after handling. **Always add to mixing vessels carefully to avoid splashing.** When preparing bleach baths, add hydrogen peroxide *last* (as per TDS).

Storage:

Store in a cool, dry, well-ventilated area.

Keep away from direct sunlight and frost (as per TDS).

Keep containers tightly closed when not in use.

Protect from extreme temperatures.

Incompatible Materials: Store away from acids (violent reaction), strong oxidizing agents, and reactive metals (aluminum, zinc, tin) due to corrosivity.



Shelf Life: 6-12 months under recommended conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

General ventilation is usually adequate. Use local exhaust if mists or aerosols are generated during mixing. Eyewash stations and safety showers should be readily available in the handling area.

Personal Protective Equipment (PPE):

Eye Protection: Chemical splash goggles **and** a face shield

Skin Protection: Wear alkali-resistant, impervious gloves (e.g., Nitrile, Neoprene, Butyl rubber). Do not use natural rubber (latex) as it may degrade.

Body Protection: Impervious apron or chemical-resistant suit.

Footwear: Rubber safety boots.

Respiratory Protection: Not normally required. If aerosol/mist is generated, use a suitable respirator with particulate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear to slightly pale liquid
Odor	Mild, characteristic
pH (20°C)	6-8
Specific Gravity / Density	1.1 - 1.3 g/cm ³
Solubility	Completely soluble in water
Ionic Character	Anionic

10. STABILITY AND REACTIVITY

Reactivity: Reacts with acids (exothermic neutralization).

Chemical Stability: Stable under normal temperatures and pressures. Stable up to 130°C (as per TDS).

Possibility of Hazardous Reactions: None known when used as intended.

Conditions to Avoid: Extreme heat (above decomposition temperature), freezing, and contact with acids.

Incompatible Materials: **Strong acids** (violent reaction, heat), **reactive metals** (Al, Zn, Sn - corrosion), strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may produce carbon oxides, phosphorus oxides, and sodium oxides.

11. TOXICOLOGICAL INFORMATION

Based on the evaluation of similar alkaline phosphonate products:

Acute Toxicity (Oral/Dermal): Low toxicity expected. LD50 (Oral, Rat) typically > 2000 mg/kg. The main hazard is local corrosion, not systemic toxicity.

Skin Irritation/Corrosion: Corrosive/Irritant. Prolonged contact causes burns, redness, and pain.

Eye Irritation/Corrosion: Corrosive. Causes serious and irreversible damage. Risk of blindness.

Sensitization: Not expected to be a skin sensitizer.

Chronic Toxicity: No specific data.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is alkaline; a large spill will raise the pH of water, which is toxic to aquatic life. Phosphonates themselves are generally of low acute toxicity.

Persistence and Degradability: Phosphonates may be poorly biodegradable but adsorb to sludge.

Mobility: Highly soluble in water.

Other Adverse Effects: Avoid uncontrolled release to the environment. Dilution and neutralization are recommended before disposal to a treatment plant.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose of in accordance with local, state, and federal regulations. Do not dispose of large quantities into drains. Waste should be neutralized to a neutral pH (6-9) before being sent to a wastewater treatment facility. Concentrated waste should be handled by a licensed chemical disposal contractor.

Contaminated Packaging:

Empty containers should be rinsed thoroughly (triple rinse) and disposed of as industrial waste or sent for recycling. Rinse water should be handled as chemical waste or added to the neutralization process.

14. TRANSPORT INFORMATION

Land Transport (ADR/RID):

UN Number: UN 3266 (or UN 1719 depending on formulation)

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains phosphonates and sodium hydroxide)

Hazard Class: 8

Packing Group: II or III (depending on specific formulation).



Sea Transport (IMDG):

Marine Pollutant: Generally, not considered a Marine Pollutant based on typical ingredients.

EmS: F-A, S-B

Air Transport (IATA):

UN 3266 - Corrosive Liquid, Basic, Inorganic, N.O.S., 8, II/III

15. REGULATORY INFORMATION

This product is designed to comply with modern textile environmental requirements (as stated in the TDS).

Inventory Status:

TSCA (USA): All components are listed or exempt.

EINECS/ELINCS (Europe): All components are listed.

Malaysia (EHS): Compliant with local industrial chemical regulations.

Note: Specific national regulations may apply.

16. OTHER INFORMATION

Key Changes from Previous Product (QuestCon): This product is alkaline and corrosive, requiring strict PPE and emergency protocols.

Disclaimer:

The information provided in this Material Safety Data Sheet is based on data from the Technical Data Sheet and general knowledge of alkaline phosphonate chemistry. Texlora biochem SDN BHD makes no warranty, express or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. It is the user's responsibility to determine the suitability of this information for their specific purposes and to comply with all applicable laws and regulations. As per the original TDS: *"Users must conduct their own trials to determine suitability for their intended use."*