

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: BZD Reagent Part B

Relevant identification uses of the substance and uses advised against:

Identified uses: The BZD Reagent Part B is designed to identify unknown substances.

Uses advised against: No other uses are advised.

Details of the supplier of the Safety Data Sheet:

TN Scientific LLC
Knoxville, TN
37931 USA

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:
Skin Corrosive (Category 1A)

Hazard Statement:
H314

Label elements:

Hazard pictograms:



Signal Word: Danger.

Hazard Statements:

H314 Causes severe skin burns and eye damage.

Precautionary Statements:

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/doctor.

P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

Section 4: First-Aid Measures

Description of first aid measures:

Eye contact: Consult a doctor/medical service. Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents.

Skin contact: Consult a doctor/medical service. Wash immediately with lots of water and soap for 15 minutes. Remove clothing while washing.

After inhalation: Consult a doctor/medical service if breathing problems develop. Remove the victim into fresh air. Unconscious: maintain adequate airway and respiration.

After ingestion: Consult a doctor/medical service if you feel unwell. Immediately give lots of water to drink. Never give water to an unconscious person. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed:

Causes severe skin burns and eye damage.

Indication of any immediate medical attention and special treatment needed: Symptomatic treatment.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Water may be ineffective.

Specific hazards: Corrosive liquid. Not combustible. Reacts violently with water. Gives off hydrogen by reaction with metals.

Instructions: Use firefighting water moderately and contain it. Use water spray to cool tanks/containers exposed to heat / remove them into safety.

Protective measures for fire-fighters: Wear self-contained breathing apparatus in case of fire. Wear corrosion-proof suit,

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Isolate the area. Evacuate personnel to safe areas. Approach from upwind. Ventilate the area. Keep away from incompatible products. Wear chemical resistant personal protective equipment. Prevent further leakage or spillage if safe to do so. Abundant running water should be available for emergency use. Refer to protective measures listed in sections handling and storage and exposure controls/personal protection.

Environmental precautions: Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Dam up the liquid spill. Contain leaking substance, pump over in suitable containers. Notify environmental personnel

Methods for containment and cleaning up:

Take up liquid spill with inert absorbent material. Scoop absorbed substance into closing containers. Carefully collect spill / leftovers. Equipment must be corrosion resistant. Flush contaminated areas with large amounts of water and direct rinsing to chemical sewer or collect for treatment.

Section 7: Handling and Storage

Precautions for safe handling:

Observe strict hygiene - avoid eye and skin contact. Avoid splashing of material. Safety showers should be readily available in handling and storage areas. Eye wash fountains should be located in the work areas and should be immediately accessible for emergency use. Remove contaminated clothing immediately. When diluting, always add the product to water. Never add water to the product. Keep away from incompatible products.

Conditions for safe storage, including incompatibilities:

Store in a well-ventilated area. Store at ambient temperature. Keep container tightly closed. KOH in contact with water or moisture may result in enough heat to ignite combustibles. Keep away from: heat sources, highly flammable materials, incompatible products.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation. - Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter. Recommended Filter type: P2

Hand protection: Impervious gloves. Suitable material: PVC, Neoprene, Natural rubber, Butyl rubber.

Eye protection: Wear chemical resistant goggles. Face shield if risk on splashes.

Skin and body protection: Corrosion-proof clothing. Suitable material: PVC, Neoprene, Natural rubber, Butyl rubber.

Hygiene measures: Eye wash bottles or eye wash stations in compliance with applicable standards. Take off contaminated clothing and shoes immediately. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Liquid.

Color: Semi-transparent white.

Odor: Odorless.

Odor threshold: No data available.

pH (concentration): >13.5

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower flammability/explosive limits: No data available.

Vapor pressure: No data available.

Vapor density: No data available.

Relative density: 1.08

Water solubility (g/L): Soluble.

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available.

Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: Potential for exothermic hazard. May be corrosive to metals.

Chemical stability: Stable under recommended storage conditions.

Hazardous reactions: Gives off hydrogen by reaction with metals. Exothermic reaction with strong acids. Reacts violently with water.

Conditions to avoid: Unstable on exposure to air. Freezing.

Materials to avoid: Keep away from: heat sources, oxidizing agents, acids, highly flammable materials, halogens, organic materials. Keep away from: lead, aluminum, copper, tin, zinc, bronze.

Hazardous decomposition products: Absorbs the atmospheric CO₂. Hydrogen: reacts with (some) metals and their compounds: release of highly flammable gas.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Waste Disposal methods: Dilute with plenty of water. Remove for chemical treatment: neutralization with pH control. In accordance with local and national regulations.

Contaminated packaging: Where possible recycling is preferred to disposal or incineration. Clean container with water in accordance with local and national regulations.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.