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TECHNO PHARMCHEM
An ISO 9001 : 2008 Certified Company
Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
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IODOFORM

1. Product Identification
Synonyms: Triiodomethane; methane, triiodo-
CAS No.: 75-47-8
Molecular Weight: 393.73
Chemical Formula: CHI_3
Product Code : 31569

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Iodoform	75-47-8	98 - 100%

3. Hazards Identification
Potential Health Effects

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. High concentrations can cause pulmonary edema.
Ingestion: Causes burns of gastrointestinal tract. May cause vomiting and all degrees of cerebral depression or excitation, including delirium, hallucinations, coma. A rapid pulse with or without a fever is characteristic. High concentrations applied to the skin have caused damage to the heart, liver, and kidneys.
Skin Contact: May cause irritation or dermatitis. Can be absorbed through skin and produce systemic effects; symptoms may parallel ingestion.
Eye Contact: May cause severe irritation, redness, pain. Visual disturbances or impairment may occur.
Chronic Exposure: May cause "iodism" on prolonged absorption. Symptoms are skin rash, headache and skin eruptions in severe cases.
Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures
Fire: Not considered to be a fire hazard. Toxic gases and vapors may be released if involved in a fire.
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage
Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection
Airborne Exposure Limits:
-ACGIH Threshold Limit Value (TLV): 0.6 ppm (TWA)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:
Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties
Appearance: Yellow powder or crystals.
Odor: Characteristic, disagreeable.
Solubility: Very slightly soluble in water, soluble in alcohol.
Density: 4.1
pH: No information found.
% Volatiles by volume @ 21C (70F): 0
Boiling Point: Decomposes.
Melting Point: ca. 120C (ca. 248F)
Vapor Density (Air=1): No information found.
Vapor Pressure (mm Hg): No information found.
Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity
Stability: Heat will contribute to instability.
Hazardous Decomposition Products: Burning may produce toxic iodine vapors.
Hazardous Polymerization: Will not occur.
Incompatibilities: Mercuric oxide, silver nitrate, tannin, calomel, strong oxidizers, lithium, metallic salts, strong bases, acetone.
Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

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11. Toxicological Information
Oral Rat LD50: 355 mg/Kg. Inhalation Rat LC50: 165 ppm / 7H. Investigated as a tumorigen and mutagen.

12. Ecological Information
Environmental Fate: When released into the soil, this material may leach into groundwater. When released into water, this material may evaporate to a moderate extent. When released into the water, this material is expected to have a half-life between 1 and 10 days. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of greater than 30 days.
Environmental Toxicity: This material is expected to be toxic to terrestrial life. This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 1 and 10 mg/l.

13. Disposal Considerations
Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information
Not regulated.

15. Regulatory Information
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

16. Other Information
Label Precautions:
Do not breathe dust.
Do not get in eyes, on skin, or on clothing.
Use only with adequate ventilation.
Keep container closed.
Product Use:
Laboratory Reagent.