Section 1. Product and Company Identification

Product Name Iodoform
CAS Number 75-47-8

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Acute Toxicity (Oral): Category 4
Acute Toxicity (Skin): Category 4
Acute Toxicity (Inhalation): Category 4
Eye Irritation: Category 2B
Skin Irritation: Category 3
Specific target organ toxicity (single exposure): Category 3

GHS Label Elements

Pictograms:

Signal word: WARNING

Hazard and precautionary statements
Hazard Statements
H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled.
H315: Causes skin irritation
H319: Cause serious eye irritation
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335: May cause respiratory irritation

Precautionary Statements
P233: Keep container tightly closed
P260: Do not breathe dust/fume/gas/mist/vapors/spray
P262: Do not get into eyes, on skin or on clothes

P264: Wash hands thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection
P305 + P351: IF IN EYES: Rinse cautiously with water for several minutes.
P342 + P31: If experiencing respiratory symptoms: call a POISON CENTER or doctor/PHYSISCIAN

Section 3. Composition / Information on Ingredients

Common Name Iodoform
Synonym(s) Triiodomethane
CAS Number 75-47-8

COMPONENT	CAS NUMBER	CONCENTRATION
Iodoform	75-47-8	100%

Section 4. First Aid Measures

Eye: Eye irritation. Immediately flush with plenty of water for at least 15 minutes lifting occasionally the upper and lower eyelids to ensure thorough rinsing. If irritation persists get medical assistance.
Skin: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. If irritation persists get medical attention. Wash contaminated clothing before reuse.
Inhalation: Remove exposed person from exposure areas to fresh air immediately. If not breathing, give artificial respiration.
Ingestion: If victim is conscious, wash out mouth with water and induce vomiting by touching fingers to back of throat. Get immediate medical attention.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions (water, dry chemical, foam, or carbon dioxide).
Fire Fighting Procedures: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing or other positive pressure mode. Cool down the containers and equipment exposed to heat with a water spray.
Unusual Fire and Explosion Hazards: Toxic gases may be liberated by thermal decomposition. Container explosion may occur under fire conditions.
Combustion Products: Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include hydrogen iodide and carbon oxides.

Section 6. Accidental Release Measures

Avoid contact with skin and eyes. Do not breathe dust. Sweep up or vacuum up the spilled product. Collect the product and place it in a suitable (e.g. plastic) container. Avoid generating dust. Wash spill area with water. Do not flush to sewer or waterways. Prevent release to the environment if possible.

Section 7. Handling and Storage

Handling: Keep in a tightly closed container. Avoid contact with eyes, skin or clothing. Avoid generating dust. Do not breathe dust/vapors. Use in a well ventilated area. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.
Storage: Store in a closed container secure from children, pets or livestock. Store in a cool place and away from sunlight. Empty containers may contain residue. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

Section 8. Exposure Controls / Personal Protection

Engineering Controls: Facilities storing or using this product should be equipped with an eyewash facility and a safety shower. Local exhaust or general dilution ventilation is recommended to keep employees exposures below the Airborne Exposure Limits. Provide mechanical ventilation for confined spaces.

Personal Protective Equipment
Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166. Have eye-wash stations available where eye contact can occur.
Skin Protection: Avoid skin contact. Wear appropriate protective garments to prevent bodily contact. Recommended protective materials include: PVC, Butyl, Neopren and Viton rubber.
Respiratory Protection: High efficiency particulate respirator should be used. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritations or other symptoms are experienced.

Occupational Exposure Limits
ACGIH: 0.6 ppm TWA
NIOSH: 0.6 ppm TWA (10 mg/m^3 TWA)
UK-LTEL: 0.6 ppm (9.8 mg/m^3)
UK-STEL: 1.0 ppm (16 mg/m^3)
FR-VME: 0.6 ppm (10 mg/m^3)

Section 9. Physical and Chemical Properties

Appearance: Solid, yellow crystals or powder
Odor: Pungent
Odor threshold: 5 ppb
pH: N/A
Melting point/freezing point: 118 - 121 °C
Initial boiling point or boiling range: N/A
Flash point: N/A
Evaporation rate (Water=1): N/A

Flammability: N/A
Upper/lower flammability or explosive limits: N/A
Vapor pressure: N/A
Vapor density (Air=1): N/A
SG/Relative density: 4.008 g/ml
Solubility in water: 00 mg/L (25 °C)
Partition coefficient n-octanol/water: log Pow = 3.83
Auto-ignition temperature: N/A
Decomposition temperature: NIA
Viscosity: N/A
Molecular formula: CHI_3
Molecular weight: 393.72 g/mol

Section 10. Stability and Reactivity

Stability: Light sensitive.
Conditions to avoid: High temperatures, incompatible materials and direct sunlight.
Incompatibility: Strong oxidizing agents, strong bases, alkali metals, magnesium, silver nitrate.
Hazardous Reactions/Decomposition Products: Oxidation products may include hydrogen iodide and carbon oxides.

Section 11. Toxicological Information

Signs and Symptoms of Overexposure: Overexposure can cause nausea, headache and vomiting. May cause dermatitis, restlessness, weakness, headache, confusion, rapid heartbeat, and central nervous system depression.
Target organs: Central nervous system

Acute Effects
Eye Contact: Causes eye irritation.
Skin Contact: Readily absorbed through skin. Harmful if absorbed through skin.
Inhalation: Dust inhalation may be irritating to mucous membranes and upper respiratory tract.
Ingestion: Harmful is swallowed.
Chronic Effects: Chronic exposure can cause thyroid adenoma, goiter, iodism, rashes, headache, running nose, weakness, anemia and general depression.
Medical Conditions Aggravated by Exposure: Preexisting respiratory tract diseases

Acute Toxicity Values
Inhalation LC50 (Rat) [1]: = 165 ppm/ 7 hour
Inhalation LC50 (Rat) [2]: = 183 ppm I 7 hour
Oral LD50 (Mouse) [3]: = 470 mg/kg body weight
Oral LD50 (Guinea Pig) [4]: = 487 mg/kg body weight
Oral LD50 (Rat) [4]: = 355 mg/kg body weight

Skin LD50 (Rat) [4]: = 1, 184 mg/kg body weight

Carcinogenity: Not listed by ACGIH, IARC. NTP or CA Prop 65.

Section 12. Ecological Information

Bioaccumulation: Octanol/water partition coefficient log Pow = 3.83. Would probably be moderately mobile in soil. Is not expected to significantly bioaccumulate in aquatic organisms.
Ecotoxicity: This material is expected to be toxic to aquatic life.
LC50 (Fathead Minnow, Fish) [5]: = 1.2 mg/L/24 hr
LC50 (Daphnia) [5]: = 0.1 mg/L/24 hr
LC50 (Fathead Minnow, Fish) [6]: = 2.92 mg/L/96 hr

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

TDG/ USDOT Transportation Pictogram(s): None

U.S. Department of Transportation (DOT)
Proper Shipping Name: IODOFORM
D.O.T. Label: Chemical N.O.S.
Hazard Class: N/A
UN/NA Number: N/A
Packing Group: N/A
Labels (Pictograms) Required: None

Maritime Organization (IMDG)
Proper Shipping Name: IODOFORM
Hazard Class: N/A
UN/NA Number: N/A
Packing Group: N/A
Labels (Pictograms) Required: None

RID/ADR/IMO/IATA: Not Regulated

Section 15. Regulatory Information

U.S. Federal Regulations
Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): Iodoform (CAS No. 75-47-8): Not listed for CERCLA Section 103 - Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous

substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802). Listed at 40 CFR 302.4.

Toxic Substances Control Act (TSCA): Iodoform (CAS No. 75-47-8): Listed for TSCA - Toxic Substances Control Act. Requirement to submit a pre-manufacturing notice before commencing the manufacture or import a new substance.

Clean Water Act (CWA): Iodoform (CAS No. 75-47-8) is not a hazardous substance under the Clean Water Act. Consult Federal, State and local regulations for specific requirements.

Clean Air Act (CAA): Iodoform (CAS No. 75-47-8) is not a hazardous substance under the Clean Air Act. Consult Federal, State and local regulations for specific requirements.

Superfund Amendments and Reauthorization Act (SARA) Title III Information
SARA 302 EHS RQ: Not listed for SARA 302 EHS RQ - Reportable Quantity of Extremely Hazardous Substance listed at 40 CFR 355.
SARA 302 EHS TPQ: Not listed for SARA 302 EHS TPQ - Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following the Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micro-meters, the Threshold Planning Quantity= 10.000 LBS.
SARA Section 313: Not listed for SARA Section 313 Chemicals - Toxic Substance subject to annual release reporting requirements listed at 40 CFR 372.65.

European Inventory of Existing Chemicals (EINECS)
EU Classification: HARMFUL (Xn)

Risk (R) Phrases
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R-36/38: Irritating to eyes and skin.

Safety (S) Phrases
S2: Keep out of the reach of children
S24/25: Avoid contact with skin and eyes.
S36/37/38: Wear suitable protective clothing, gloves and eye protection.

Other Classifications
WHMIS (Canada): Class D-1A: Material causing immediate and serious toxic effects.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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