Material Safety Data Sheet

Infosafe No. ICHKV Issue Date: July 2000

Product Name: IODINE TRICHLORIDE

Classified as Hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name CHEM-SUPPLY Pty Ltd (ABN 19008264211 )
Address 62 Bedford Street GILLMAN SA 5013
Emergency Tel. 000
Tel/Fax Ph: (08) 8440 2000 Fax: (08) 8440 2001

Other Information

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

IDENTIFICATION

Product Name IODINE TRICHLORIDE

Proper Shipping Name CORROSIVE SOLID, ACIDIC, INORGANIC, NOS

Other Names

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>IODINE TRICHLORIDE LR</td>
<td>IL003</td>
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UN Number 3260

DG Class 8

Packing Group II

Hazchem Code 2X

Poisons Schedule Not Scheduled

Product Use Agent for introducing iodine and chlorine in organic synthesis, topical antiseptic and laboratory reagent.

Physical Data

Appearance Orange-yellow, deliquescent, crystalline powder.

Melting Point 33 °C

Specific Gravity 3.11

Solubility in Water Soluble with decomposition.

Other Properties

Corrosiveness Corrodes common metals.

Solubility in Organic Solvents Soluble in alcohol and benzene.

Odour Pungent irritating odour.

Form Solid

Decomposition Temp. 77 °C

Stability Volatile at room temperature.

Formula IC13

Molecular Weight 233.26

Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
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<tbody>
<tr>
<td>Iodine Trichloride</td>
<td>865-44-1</td>
<td>97-100%</td>
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HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed Toxic by ingestion. May damage mucous membranes.
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Acute - Eye Causes burns. Risk of serious damage to eyes.
Acute - Skin Causes burns.
Acute - Inhaled Irritating to the respiratory system.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.
Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
Skin Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical attention.
Inhaled Remove victim to fresh air. Employ artificial respiration if indicated. Seek medical attention.

First Aid Facilities Maintain eyewash fountain and drench facilities in work area.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Eng. Controls Use with local exhaust ventilation or while wearing appropriate respirator.
Personal Protection
Eye Protection Safety glasses, goggles or faceshield as appropriate.
Glove Type Rubber gloves.
Clothing Wear suitable protective clothing to prevent skin contact.
Flammability Non combustible material.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store in a cool, dry place. Keep containers closed at all times.
Transport Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following:
Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, Class 7; and are incompatible with food and food packaging in any quantity.
Handling Refer Australian Standard AS 3780 - 1994 'The storage and handling of corrosive substances'.

Proper Shipping CORROSIVE SOLID, ACIDIC, INORGANIC, NOS
Name
IERG Number 37

Spills and Disposal

Spills & Disposal Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 50m. Do NOT touch or walk through this product. Do NOT touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimize spreading or contact with rain. DO NOT GET WATER INSIDE CONTAINERS.

Fire/Explosion Hazard

Fire/Explos. Hazard Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Containers may explode when heated. Some may ignite combustibles (wood, paper, clothing, etc.) Contact with metals may evolve flammable hydrogen gas.

Hazardous Decomposes to ICl and Cl2 at 77 °C.

Byproducts
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Fire Fighting

Small fire: Use dry chemical, CO2 or water spray.

Large fire: Use water spray, fog or foam - Do NOT use water jets.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside the containers.

Fire Fighting Precautions

Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

Hazchem Code 2X

OTHER INFORMATION

Risk Statement R34 Causes burns. R37 Irritating to respiratory system.

Safety Statement S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S45 In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible). S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard Category Corrosive

References


User Codes

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CONTACT POINT

Contact Scott Mayfield Ph. (08) 8440 2000

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