

# Material Safety Data Sheet

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Infosafe No. 1CHKV Issue Date: July 2000

RE-ISSUED by CHEMSUPP

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**

<u>Name</u>	<u>Mancode</u>
IODINE TRICHLORIDE LR	IL003

  
**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

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Iodine Trichloride	865-44-1	97-100%

## 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

**Fire Hazards** 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 Cl<sub>2</sub> at 77 °C.

Decomposition or

Byproducts

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

**Procedures** **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** Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should

**Precautions** **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** Australian Health Ministers' Advisory Council, 'Standard for the Uniform Scheduling of Drugs and Poisons No.15', AGPS, Canberra 2000.

Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 12th. Ed.', Rev., Van Nostrand Reinhold, NY, 1993.

National Road Transport Commission, 'Australian Dangerous Goods Code 6th. Ed.', AGPS, Canberra, 1998.

South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.

Standards Australia, 'Dangerous Goods - Initial Emergency Response Guide', 1997.

Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]', AGPS, Canberra 1999.

Worksafe Australia, 'List of Designated Hazardous Substances [NOHSC:10005(1999)]', AGPS, Canberra 1999.

Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]', AGPS, Canberra 1994.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]', AusInfo Dept of Finance and Admin, Canberra 1995.

## User Codes

	<u>User Code</u>
Risks	34-37
Safety	26-36/37/39-45
CAS No	865-44-1

## CONTACT POINT

**Contact** Scott Mayfield Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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