

INTATRADE  
MATERIAL SAFETY DATA SHEET  
according to 1907/2006/EC, Article 31

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## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product name: **Methyltrichlorotin**  
Product code: EO00708  
Company: INTATRADE Chemicals GmbH  
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## 2. HAZARDS IDENTIFICATION

Hazard designation: T Toxic  
Information pertaining to particular dangers for man and environment R 10 Flammable.  
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R 34 Causes burns.

GHS label elements



**Danger**

H228 - Flammable solid.



**Danger**

H311 - Toxic in contact with skin.  
H330 - Fatal if inhaled.



**Danger**

H314 - Causes severe skin burns and eye damage.

**Warning**

H302 - Harmful if swallowed.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P320 Specific treatment is urgent (see on this label).  
P361 Remove/Take off immediately all contaminated clothing.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Response:

Storage:  
Disposal:

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Methyltin trichloride  
CAS-No : 993-16-8

## 4. FIRST AID MEASURES

General information	Instantly remove any clothing soiled by the product. Remove breathing apparatus only after soiled clothing has been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
After skin contact	Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly.
After eye contact	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing	Do not induce vomiting; instantly call for medical help. Seek immediate medical advice.

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## 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents	Extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents	Water.
Special hazards caused by the material, its products of combustion or flue gases:	Can be released in case of fire: Hydrogen chloride (HCl) Carbon monoxide and carbon dioxide
Protective equipment:	Wear self-contained breathing apparatus. Wear full protective suit.

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## 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources
Measures for environmental protection:	Do not allow material to be released to the environment without proper governmental permits.
Measures for cleaning/collecting:	Use neutralizing agent. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Keep away from ignition sources.
Additional information:	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

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## 7. HANDLING AND STORAGE

Handling	
Information for safe handling:	Handle under dry protective gas. Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Open and handle container with care.
Information about protection against explosions and fires:	Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture.
Storage	
Requirements to be met by storerooms and containers:	No special requirements.

Further information about storage conditions:

Store under dry inert gas.  
Protect from humidity and keep away from water.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.  
Store in a locked cabinet or with access restricted to technical experts or their assistants.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components with critical values that require monitoring at the workplace:

Tin, organic compounds, as Sn	mg/m <sup>3</sup>
ACGIH TLV	0.1; 0.2-STEL (skin)
Not classifiable as a human carcinogen	
Austria MAK	0.1 (skin)
Belgium TWA	0.1 (skin)
Denmark TWA	0.1 (skin)
Finland TWA	0.1; 0.3-STEL (skin)
France VME	0.1
Germany MAK	0.1 (skin)
Hungary	0.1-STEL (skin)
Korea TLV	0.1; 0.2-STEL (skin)
Norway TWA	0.1
Switzerland MAK-W	0.1; 0.2-KZG-W (skin)
United Kingdom	0.1; 0.2-STEL (skin)
USA PEL	0.1
No data	

Additional information:

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment:

Use breathing protection with high concentrations.

Eye protection:

Safety glasses

Tightly sealed safety glasses.

Full face protection

Face protection

Body protection:

Protective work clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

General Information

Form:	Crystalline
Colour:	Colourless
	White
Smell:	Not determined

Change in condition

Melting point/Melting range:	43°C
Boiling point/Boiling range:	171°C
Sublimation temperature / start:	Not determined

Flash point: Not applicable

Inflammability (solid, gaseous) Flammable.

Ignition temperature: Not determined

Decomposition temperature: Not determined

Critical values for explosion:

Lower: Not determined

Upper: Not determined

## 10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications. Materials to be avoided: Oxidizing agents Water/moisture
Dangerous reactions:	No dangerous reactions known
Dangerous products of decomposition:	Hydrogen chloride (HCl) Carbon monoxide and carbon dioxide

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD/LC50 values that are relevant for classification: Oral LD50 1370 mg/kg (rat)
Primary irritant effect: on the skin:	Corrosive effect on skin and mucous membranes. Irritant for skin and mucous membranes.
on the eye:	Strong corrosive effect. Irritant effect.
Sensitization:	No sensitizing effect known.
Additional toxicological information:	Danger by skin resorption. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.

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## 12. ECOLOGICAL INFORMATION:

Additional ecological information:	
General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.

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## 13. DISPOSAL CONSIDERATIONS

Product: Recommendation	Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.
Uncleaned packagings: Recommendation:	Disposal must be made according to official regulations.

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## 14. TRANSPORT INFORMATION

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)	
ADR/RID-GGVS/E Class:	8 (CT2) Corrosive substances.
Kemler Number:	86
UN-Number:	2923
Packaging group:	II
Label	8+6.1
Designation of goods:	2923 CORROSIVE SOLID, TOXIC, N.O.S. (Methyltin trichloride)
Limited quantities (LQ)	LQ23
Transport category:	2

Maritime transport IMDG/GGVSea:  
IMDG/GGVSea Class: 8  
UN Number: 2923  
Label 8+6.1  
Packaging group: II  
Marine pollutant: No  
Correct technical name: CORROSIVE SOLID, TOXIC, N.O.S. (Methyltin trichloride)

Air transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class: 8  
UN/ID Number: 2923  
Label 8+6.1  
Packaging group: II  
Correct technical name: CORROSIVE SOLID, TOXIC, N.O.S. (Methyltin trichloride)

UN "Model Regulation": UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), II

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## 15. REGULATORY INFORMATION

Designation according to EC guidelines:

Code letter and hazard  
designation of product:

T Toxic

Risk phrases:

10 Flammable.

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

33 Take precautionary measures against static discharges.

36/37 Wear suitable protective clothing and gloves.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulations

Information about limitation of use: Employment restrictions concerning young persons must be observed.  
For use only by technically qualified individuals.

Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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## 16. OTHER INFORMATION:

Warranty

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. Intatrade Chemicals GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.