





Trade name 2-Chloro-4-iodotoluene, stab. with copper

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5 Firefighting measures Extinguishing media Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen iodide (HJ) Hydrogen chloride (HCI) Copper oxides Advice for firefighters Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit.	
6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.	
7 Handling and storage Handling Precautions for safe handling Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Store in the dark. Store on the dark. Store away from oxidising agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from the effects of light. Specific end use(s) No further relevant information available.	
 8 Exposure controls/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. Control parameters Components with critical values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls 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 solied and impregnated garments. Wash hands during breaks and at the end of the work. Do not inhale dust / smoke / mist. Maintain an ergonomically appropriate working environment. Breathing equipment: Use breathing protection with high concentrations. Recommended filter device for short term use: Use a respirator with organic vacatid gas cartridges as a backup to engineering controls. Risk assessment should be performed to determine if respirators are appropriate. Only use equipment condition. The selection of hands: Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to man Material of gloves Impervious gloves Penetration files uside shields / NIOSH (US) or EN 166(EU) Body protection: Protection: 	
9 Physical and chemical properties	
Information on basic physical and chemical properties	
General Information Appearance: Form: Liquid Colour: Colourless to orange Not determined	

Colour: Odour: Odour threshold: Liquid Colourless to orange Not determined Not determined.

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pH-value:	Not determined.		
Change in condition Melting point/freezing point: Initial boiling point and boiling range. Sublimation temperature / start: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability:	Not determined : 145 °C (35mm) Not determined Not determined. Not determined Not determined. Not determined.		
Explosive properties:	Not determined.		
Explosive properties: Critical values for explosion: Lower: Upper: Steam pressure: Density at 20 °C Relative density Vapour density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient: n-octanol/water: Viscosity: dynamic:	Not determined. Not determined Not determined Not determined Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined.		
kinematic:	Not determined.		
Other information	No further relevant information available.		
 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidising agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidising agents Light Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen ichloride (HI) Hydrogen chloride (HCI) Copper oxides			
11 Toxicological information Information on toxicological effects Acute toxicity No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: May cause irritation Respiratory or skin sensitisation No sensitizing effect known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.			
Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.			

12 Ecological information

Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Behaviour in environmental systems: Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper go Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment **PBT:** Not applicable. **vPvB:** Not applicable. **Other adverse effects** No further relevant information available.

13 Disposal considerations

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

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14 Transport information		
UN-Number TDG, ADN, IMDG, IATA	Not applicable	
UN proper shipping name DOT, TDG, ADN, IMDG, IATA	Not applicable	
Transport hazard class(es) Class	Not applicable	
Packing group TDG, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II of Mar	pol and the IBC Code Not applicable.	
UN "Model Regulation":	Not applicable	

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture Australian Inventory of Chemical Substances Substance is not listed. Standard for the Uniform Scheduling of Medicines and Poisons Substance is not listed. GHS label elements The substance is classified and labelled according to the Globally Harmonised System (GHS). Hazard pictograms



Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements

 Precautionary statements

 P261
 Avoid breathing dust/fume/gas/mist/vapours/spray.

 P280
 Wear protective gloves/protective clothing/eye protection/face protection.

 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

 P304+P340
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

 P405
 Store locked up.

 P501
 Dispose of contents/container in accordance with local/regional/national/international regulations.

 National regulations
 This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

 Information about limitation of use: For use only by technically qualified individuals.

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Conformance with this Safety Data Sheet, or in combination Department issuing SDS: Global Marketing Department Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent DBT: Persistent, Bioaccumulative and Toxic VPUB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety and Health Administration (USA) TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit