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**Product Name:** Copper (I) chloride (Cuprous chloride)

CAS No.: 7758-89-6

Version: 0

1. Identification		
Product Code	:	90145, 90378
Company Name	:	Advent Chembio Private Limited
Address	:	W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail	:	info@adventchembio.com
WEBSITE	:	www.adventchembio.com
<b>Company Phone Number</b>	:	022-27690837

## 2. Hazards Identification

Hazard classification Acute toxicity, Oral Skin irritation Serious eye damage Acute aquatic toxicity Chronic aquatic toxicity Label elements	: : :	Category 4 Category 2 Category 1 Category 1 Category 1		
Hazard symbol		• •		
	-		¥2	>
Signal word	:	Danger	•	
Hazard statement	:	Harmful if swa		
		Causes skin irr Causes serious Very toxic to a	eye irrita	ation. e with long lasting effects.
Precautionary statement	:	Avoid release t		
		Remove contac	et lenses,	tiously with water for several minutes. if present and easy to do. Continue ents/ container to an approved waste
Supplemental Hazard Statements		None		
3. Composition/information on ing	red	ients		
Ingredient		CAS	No	Percent
Copper (I) chloride (Cuprous chloride	e)	7758-2	89-6	NLT- 98.0%



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4. First Aid Measures	
Description of first aid m	easures
General advice	: Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and<br/>effects, both acute and delayed<br/>Indication of any immediate<br/>medical attention and specialThe most important known symptoms and effects are<br/>described in the labelling (see section 2) and/or in section 11No data available

### 5. Fire fighting measures

treatment needed Treatment

Extinguishing media Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry cho arbon dioxide.	emical or
Special hazards arising from the substance or mixture	lydrogen chloride gas, Copper oxides	
Advice for firefighters	Vear self contained breathing apparatus for fire ecessary	fighting if
Further information	Ise water spray to cool unopened containers.	
6. Accidental Release Measures		
Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust avoid breathing vapors, mist or gas. Ensure adde entilation. Evacuate personnel to safe areas. A ust.	equate
Environmental precautions	revent further leakage or spillage if safe to do roduct enter drains. Discharge into the environ voided.	
Methods and materials for	ick up and arrange disposal without creating d	ust. Sweep up



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containment and cleaning up		and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	:	For disposal see section 13.

7. Handling and Storage	
Precautions for safe handling	<ul> <li>Avoid contact with skin and eyes. Avoid formation of dust and aerosols.</li> <li>Provide appropriate exhaust ventilation at places where dust is formed.</li> </ul>
Conditions for safe storage, including any incompatibilities	<ul> <li>Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</li> <li>Air, light, and moisture sensitive.</li> <li>Non Combustible Solids</li> </ul>
Specific end use(s)	: No data available

### 8. Exposure Controls Personal Protection

Control parameters Components with workplace con	trol parameters
Exposure controls Appropriate engineering controls	<ul> <li>Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</li> </ul>
Personal protective equipment	
Eye/face protection	: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection Hand protection	: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Body Protection</b>	<ul> <li>Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</li> </ul>
<b>Respiratory protection</b>	: Respiratory protection is required.
9. Physical and Chemical Proper	ties
Appearance Odor pH Melting point/freezing point	<ul> <li>Crystalline blue</li> <li>5 at 50 g/l at 20 °C</li> <li>No data available</li> <li>430 °C</li> </ul>



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Initial boiling point and boiling range	:	1.490 °C - lit.
Flash Point	:	No data available
Vapor pressure	:	No data available
Vapor density	:	No data available
Relative density	:	4.140 g/cm3
Solubility in water	:	0.047 g/l at 20 $^{\circ}$ C - slightly soluble
Solubility (other)	:	No data available
Formula	:	ClCu
Molecular Weight	:	99.00 g/mol

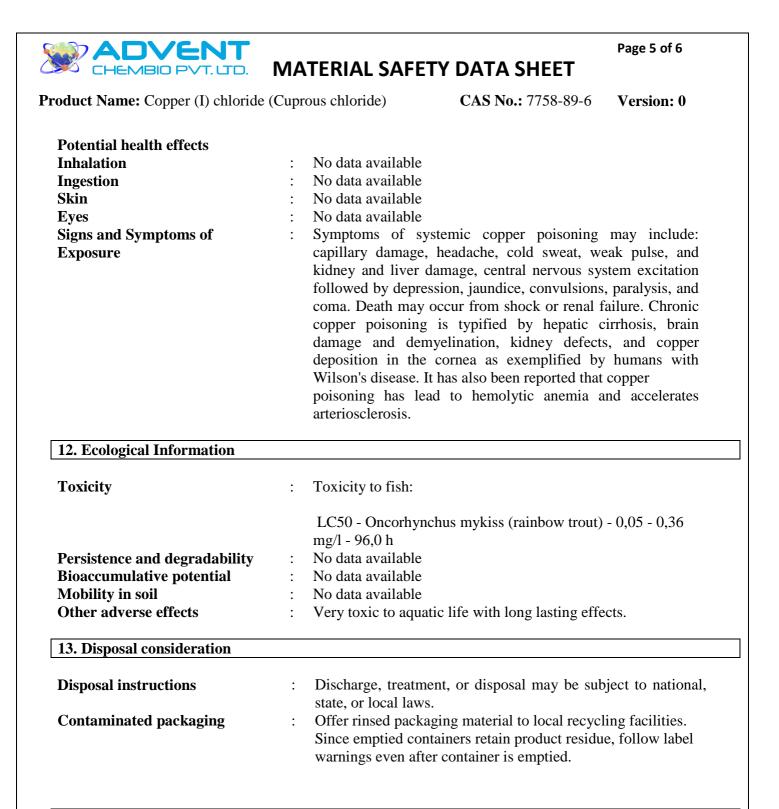
### **10. Stability and Reactivity**

Reactivity Chemical stability Possibility of hazardous	:	No data available Stable under recommended storage conditions. No data available
reactions Conditions to avoid Incompatible materials Hazardous decomposition products	:	Air Avoid moisture. Light. Oxidizing agents, Alkali metals No data available

## 11. Toxicological Information

### Information on toxicological effects

Acute toxicity	:	LD50 Oral - Rat - 336 mg/kg LC50 Inhalation - Mouse - 1.008 mg/m3
Skin corrosion/irritation	:	Irritating to skin.
Serious eye damage/eye irritation	:	Irritating to eyes.
Respiratory or skin sensitization	:	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	:	No data available
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available



#### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2802	COPPER CHLORIDE	8	III	Yes



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IMDG	2802	COPPER CHLORIDE	8	III	Yes
IATA	2802	COPPER CHLORIDE	8	III	Yes

### **15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture No Data Available.

### 16. Other Information

### Issue Date :01/08/2014

#### Version : 0

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