

Revision: 1.0

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23 October 2014

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## Section 1. Identification

### 1.1 Product Identifier 0151

Product Name CHLOROACETIC ACID pure

CAS Number 79-11-8

REACH Registration No Not applicable

Molecular Formula  $C_2H_3ClO_2 = 94.50$

### 1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Vickers Laboratories Ltd



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Phone +44(0)113 2362811  
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Email safety@viclabs.co.uk

### 1.4 Emergency Telephone (08:00-16:30) 0113 2362811 (24hr) 112 (Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to regulation 1272/2008/EC

Acute toxicity, category 3 (oral) (Acute Tox. 3 (O)). Acute toxicity, category 3 (dermal) (Acute Tox. 3 (D)). Skin corrosion/irritation, category 1B (Skin Corr. 1B). Acute toxicity, category 3 (inhalation) (Acute Tox. 3 (I)). Spec target organ tox - single, category 3 (STOT SE 3). Hazard to aquatic environment, category 1 (Aquatic Acute 1).

### 2.2 Label elements

#### Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements Toxic in contact with skin. Toxic if swallowed. Toxic if inhaled. Causes severe skin burns and eye damage. Very toxic to aquatic life. May cause respiratory irritation.

Precautionary Statements Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

## Section 3. Composition

### 3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Chloroacetic Acid	79-11-8	201-178-4		>98%	Acute Tox. 3 (O),Acute Tox. 3 (D),Skin Corr. 1B,Acute Tox. 3 (I),STOT SE 3,Aquatic Acute 1

## Section 4. First Aid

### 4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Remove contaminated clothing immediately and wash before re-use. Thoroughly wash off skin with soap and water. OBTAIN MEDICAL ATTENTION. Can be absorbed through skin.
Inhalation	Remove from exposure. If breathing stops or shows signs of failing, apply artificial resuscitation.
Ingestion	Do not induce vomiting. If conscious wash out mouth with water.
Personal protection for first aiders	Wear protective gloves / eye protection.

### 4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

Extinguishing Media	Water spray, alcohol resistant foam, dry powder or carbon dioxide.
Unsuitable Media	Nothing specified.

### 5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.
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### 5.3 Advice for firefighters

Advice for firefighters	Fire-fighters should wear protective clothing and breathing apparatus.
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## Section 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Use approved personal protective equipment. Do not create dust. Avoid breathing dust.
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### 6.2 Environmental precautions

Environmental	Keep material out of sewers, storm drains, surface waters and soil.
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### 6.3 Methods and material for containment and cleaning up

Major Spillage	Sweep up and transfer to a suitable container for disposal. Wash area down with copious amounts of water.
Minor Spillage	Sweep up and transfer to a suitable container for disposal. Wash area down with copious amounts of water.

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

### 7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep containers closed when not in use.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period	
Chloroacetic Acid	79-11-8	>98%	-	-	0.3 ppm	1.2 mg/m-3

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

### 8.2 Exposure controls

Respiratory Protection Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.

Hand Protection Wear gloves.

- 10.5** Incompatible Materials      Strong oxidising agents, strong bases and reducing agents.
- 10.6** Hazardous Decomposition Products      Carbon monoxide, Carbon Dioxide and Hydrogen Chloride.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes	Contact with the solid or dust will cause burns.
Skin	Toxic when absorbed through skin. Contact with the solid or dust will cause burns.
LD50 Skin	305mg/kg Rat
Ingestion	Toxic if swallowed. Will cause burns to gastrointestinal tract.
LD50 Oral	90.4mg/kg Rat
Inhalation	Toxic by inhalation. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract.
LD50 Inhalation	180mg/m <sup>3</sup> Rat
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.
Other Information	To the best of our knowledge, the chemical, physical, & toxicological properties have not been thoroughly investigated.

## Section 12. Ecological

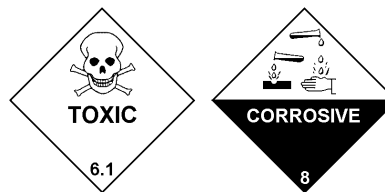
<b>12.1</b> Toxicity	No data available.
LC50 Algal	Not available
LC50 Crustacea	77mg/l Daphnia magna (48 hours)
LC50 Fish	Not available
<b>12.2</b> Persistence and degradability	No data available.
<b>12.3</b> Bioaccumulative potential	No data available.
<b>12.4</b> Mobility in soil	No data available.
<b>12.5</b> Results of PBT & vPvB assessment	Assessment not required.
<b>12.6</b> Other adverse effects	None known at present.

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

## Section 14. Transport Information

<b>14.1 UN Number</b>	1751
<b>14.2 Proper Shipping Name</b>	Chloracetic acid, solid
<b>14.3 Transport classes</b>	
UN classification	6.1
Subsidiary hazard(s)	8
Transport category	2
ADR Hazard ID	68
Tunnel Restriction Code	D/E
<b>14.4 Packing Group</b>	II
<b>14.5 Environment hazards</b>	See section 12.
<b>14.6 Special precautions for user</b>	No special precautions required.
<b>14.7 Transport in bulk</b>	Not transported in bulk.



## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Acute toxicity, category 3 (oral); Acute toxicity, category 3 (dermal); Skin corrosion/irritation, category 1B; Acute toxicity, category 3 (inhalation); Spec target organ tox - single, category 3; Hazard to aquatic environment, category 1
Signal word	Danger
Hazard Pictograms	
Hazard Statements	H311, H301, H331, H314, H400, H335 Toxic in contact with skin. Toxic if swallowed. Toxic if inhaled. Causes severe skin burns and eye damage. Very toxic to aquatic life. May cause respiratory irritation.
Precautionary Statements	P280, P264, P305+P351+P338, P301+P312, P330 Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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