



# Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product name</b>	Chloroacetic acid		
<b>Mol.formula</b>	C2H3ClO2	<b>Cas no</b>	79-11-8
<b>Mol.wt</b>	94.5 g/mol	<b>Cat no</b>	C032
<b>Manufacture name</b>	Pioneers for laboratory chemicals		
<b>Brand name</b>	Piochem		
<b>Address</b>	Area 540, Industrial Zone 6 <sup>th</sup> October city Giza, Egypt.		
<b>Website</b>	www.piochem.com		
<b>E-mail</b>	info@piochem.com		
<b>Phone number</b>	+201225728304 , +201023932115		

Section 2.Hazards Identification
<p><b>Classification This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)</b></p> <p>Acute oral toxicity Category 3            Acute dermal toxicity Category 3            Acute Inhalation Toxicity - Dusts and Mists Category 2            Skin Corrosion/irritation Category 1 B            Serious Eye Damage/Eye Irritation Category 1            Specific target organ toxicity (single exposure) Category 3            Target Organs - Respiratory system.</p> <p><b>Label Elements</b></p> <p><b>Signal Word</b>            Danger</p> <p><b>Hazard Statements</b>            Toxic if swallowed            Toxic in contact with skin            Fatal if inhaled            Causes severe skin burns and eye damage            May cause respiratory irritation</p> <div style="display: flex; align-items: center; gap: 10px;">   </div> <p><b>Precautionary Statements</b></p> <p><b>Prevention</b>            Wash face, hands and any exposed skin thoroughly after handling            Do not eat, drink or smoke when using this product            Wear protective gloves/protective clothing/eye protection/face protection            Do not breathe dust/fume/gas/mist/vapors/spray            Use only outdoors or in a well-ventilated area Wear respiratory protection</p>



**Response**

Immediately call a POISON CENTER or doctor/physician

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Skin**

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

**Eyes**

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

**Ingestion**

Rinse mouth

Do NOT induce vomiting

**Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Very toxic to aquatic life.

### Section 3. First Aid Measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

**Inhalation** Move to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. If not breathing, give artificial respiration.

**Ingestion** Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Most important symptoms and** Causes burns by all exposure routes. Product is a corrosive material. Use of gastric

**effects** lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

**Notes to Physician** Treat symptomatically

### Section 4. Fire Fighting Measures

**Suitable Extinguishing Media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media** No information available

**Flash Point** 126 °C / 258.8 °F

**Method** - No information available



**Autoignition Temperature** 470 °C / 878 °F

**Explosion Limits**

**Upper** No data available

**Lower** 8.0%

**Sensitivity to Mechanical Impact** No information available

**Sensitivity to Static Discharge** No information available

**Specific Hazards Arising from the Chemical**

Corrosive Material. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous Combustion Products**

Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>) Hydrogen chloride gas.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**      **Health** 4      **Flammability**1      **Instability**0      **Physical hazards**      N/A

**Section 5. Accidental Release Measures**

**Personal Precautions** Wear self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing.

**Environmental Precautions** Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**Methods for Containment and Clean Up**

Wear self-contained breathing apparatus and protective suit. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

**Section 6. Handling and Storage**

**Handling** Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Do not breathe vapors/dust. Do not ingest.

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area.

**Section 7. Additional Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the time of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

