

## Material Safety Data Sheet

Section 1. Product Information and Company Identification			
<b>Product name</b>	Diethyl oxalate		
<b>Mol. formula</b>	C6H10O4	<b>Cas no</b>	95-92-1
<b>Mol. wt</b>	146 g/mol	<b>Cat no</b>	D013
<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</b>            This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)            Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)            Acute toxicity - Oral Category 4            Serious eye damage/eye irritation Category 2A</p> <p><b>Label elements</b>            Flammable liquids Category 4</p> <p><b>Warning</b>            Hazard statements            Harmful if swallowed            Causes serious eye irritation            Combustible liquid            Hazards not otherwise classified (HNOC)            Not Applicable</p> <p><b>Other hazards</b>            Causes mild skin irritation            Precautionary Statements - Prevention Wash face, hands and any exposed skin thoroughly after handling            Do not eat, drink or smoke when using this product            Keep away from heat/sparks/open flames/hot surfaces. — No smoking            Wear protective gloves/protective clothing/eye protection/face protection</p> <p><b>Precautionary Statements - Response</b>  <b>In case of fire:</b> Use CO2, dry chemical, or foam to extinguish.</p>



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

If eye irritation persists: Get medical advice/attention.

**IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell.

**Rinse mouth Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool .

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

### Section 3. First Aid Measures

**First aid measures**

**General Advice:**

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. First aider needs to protect himself. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. If skin irritation persists, call a physician.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Get medical attention.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms Causes serious eye irritation Moderately irritating to the eyes Mild skin irritation Central nervous system effects May cause cardiovascular effects May cause gastrointestinal disturbances Vomiting Nausea

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.



## Section 4. Fire Fighting Measures

### Extinguishing Media

#### Suitable Extinguishing Media:

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards** arising from the chemical Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide. Specific hazards: Combustible material. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated.

### Special Protective Actions for Firefighters

**Specific Methods:** No information available.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 5. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

#### Methods for containment

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

#### Methods for cleaning up

Product code: D2365 Product name: DIETHYL OXALATE 4 / 12 Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

## Section 6. Handling and Storage

### Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

### Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.



**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

**Incompatible Materials:** Oxidizing agents.

**Section 7. Additional Information**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

