

MATERIAL SAFETY DATA SHEET**Product Name:** Diethyl oxalate**CAS No.:** 95-92-1**Version:** 0**1. Identification**

Product Code : 93005
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 3
Skin corrosion : Category 1 A
Reproductive toxicity : Category 1 B
Specific target organ toxicity - single exposure, Dermal : Category 2
Specific target organ toxicity - repeated exposure, Oral : Category 1

Labels elements

Hazard symbol

**Signal word****Hazard statement**

: Danger
: Harmful if swallowed.
Causes severe skin burns and eye damage.
May damage fertility. May damage the unborn child.
May cause damage to organs (Kidney) in contact with skin.
Causes damage to organs (Kidney) through prolonged or repeated exposure if swallowed.
Precautionary statement : Obtain special instructions before use.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Call a POISON CENTER/doctor.

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Immediately call a POISON CENTER/doctor.
: None

3. Composition/information on ingredients

Ingredient : Diethyl oxalate
CAS No. : 95-92-1
Percent : NLT 99.0%
Formula : C₆H₁₀O₄
Molecular Weight : 146.14g/mol

4. First Aid Measures**Description of first aid measures**

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 : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Eye contact : Flush eyes with water as a precaution.
Swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed : No data available
Treatment

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Carbon oxides

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Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- Methods and materials for containment and cleaning up** : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Moisture sensitive.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Respiratory protection : Air-purifying respirators
- Hand protection : Handle with gloves
- Eye protection : Face shield and safety glasses
- Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

- Appearance** : A clear colourless solution.

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Odor	:	No data available
pH	:	No data available
Melting point/freezing point	:	-41 °C - lit.
Initial boiling point and boiling range	:	185 °C - lit.
Flash Point	:	75 °C - closed cup
Vapor pressure	:	1 mmHg at 47 °C
Vapor density	:	5.85
Relative density	:	1.076 g/cm ³ at 25 °C
Solubility in water	:	slightly soluble
Solubility (other)	:	No data available

10. Stability and Reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. Toxicological Information**Information on toxicological effects**

Acute toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity		
IARC	:	No data available
NTP	:	No data available
OSHA	:	No data available
Reproductive toxicity	:	No data available
Route of Exposure	:	No data available
Signs and Symptoms of Exposure	:	No data available

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Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2525	ETHYL OXALATE	6.1	III	No
IMDG	2525	ETHYL OXALATE	6.1	III	No
IATA	2525	ETHYL OXALATE	6.1	III	No

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** :21/05/2016**Version** : 0

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