

**MATERIAL SAFETY DATA SHEET****Product Name:** Acetaldehyde diethyl acetal**CAS No.:** 105-57-7**Version:** 0**1. Identification**

**Product Code** : 98296  
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**2. Hazards Identification****Hazard classification**

Flammable liquids : Category 2  
Skin corrosion : Category 1 B  
Serious eye damage : Category 1

**Labels elements**

Hazard symbol

**Signal word**

: Danger

**Hazard statement**: Highly flammable liquid and vapour.  
Causes severe skin burns and eye damage May cause respiratory irritation.**Precautionary statement**: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**3. Composition/information on ingredients**

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**Ingredient** : Acetal  
**CAS No.** : 105-57-7  
**Formula** : C<sub>6</sub>H<sub>14</sub>O<sub>2</sub>  
**Molecular Weight** : 118,17 g/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** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin contact** : Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact** : 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.

**Swallowed** : Get medical advice/attention if you feel unwell. Rinse mouth.

**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 Treatment** : No data available

**5. Fire fighting measures**

**Extinguishing media**  
Suitable extinguishing media : Dry powder Dry sand

**Special hazards arising from the substance or mixture** : Carbon oxides Combustible.

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

**6. Accidental Release Measures**

**Personal precautions, protective** : Use personal protective equipment. Avoid dust formation.

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- equipment and emergency procedures** : Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**7. Handling and storage**

- Precautions for safe handling** : Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
- Conditions for safe storage, including any incompatibilities** : 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. Store in cool place. Heat-, light-, and moisture-sensitive. Dry residue is explosive.

**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 : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

**9. Physical and Chemical Properties**

- Appearance** : A Clear colourless liquid.
- Odor** : No data available
- pH** : 7,1 at 20 °C
- Melting point/freezing point** : Melting point: < -22 °C - OECD Test Guideline 102
- Initial boiling point and boiling range** : 102 °C - lit.
- : < 20 °C - closed cup - Regulation (EC) No. 440/2008, Annex, A.9
- Flash Point**
- Vapor pressure** : 36,37 hPa at 20 °C - OECD Test Guideline 104
- Vapor density** : 4,08 - (Air = 1.0)
- Relative density** : 0,831 g/cm<sup>3</sup> at 25 °C - lit.
- Solubility in water** : No data available
- Solubility (other)** : No data available

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

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

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

**12. Ecological Information**

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

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- 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
<b>DOT</b>	1088	ACETAL	3	II	NO
<b>IMDG</b>	1088	ACETAL	3	II	NO
<b>IATA</b>	1088	ACETAL	3	II	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** :23/09/2020**Version** : 0

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