

**MATERIAL SAFETY DATA SHEET**

Product Name: Dimethoxymethane

CAS No.: 109-87-5

Version: 0

**1. Identification**

**Product Code** : 93428  
**Company Name** : Advent Chembio Private Limited  
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**Company Phone Number** : 022-27690837

**2. Hazards Identification****Hazard classification**

Flammable liquids : Category 2

**Labels elements**

Hazard symbol

**Signal word** : Danger**Hazard statement** : Highly flammable liquid and vapour.

**Precautionary statement** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
In case of fire: Use dry powder or dry sand to extinguish. Store in a well-ventilated place. Keep cool.

**3. Composition/information on ingredients**

**Ingredient** : Formaldehyde dimethyl acetal  
Methylal  
**CAS No.** : 109-87-5  
**Percent** : NLT 98.0%  
**Formula** : C3H8O2  
**Molecular Weight** : 76.09 g/mol

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

**6. Accidental Release Measures**

- Personal precautions, protective equipment and emergency procedures** : 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.

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**Methods and materials for containment and cleaning up** : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations.

## 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** : 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. Handle and store under inert gas.

## 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** : clear, liquid  
**Odor** : No data available  
**pH** : No data available  
**Melting point/freezing point** : -105 °C - lit.  
**Initial boiling point and boiling range** : 41 - 42 °C - lit.  
 : -18 °C - closed cup  
**Flash Point**  
**Vapor pressure** : No data available  
**Vapor density** : 2,63 - (Air = 1.0)  
**Relative density** : 0.858 - 0.862 g  
**Solubility in water** : 330 g/l at 20 °C - soluble  
**Solubility (other)** : No data available

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**10. Stability and Reactivity**

<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>	: Heat, flames and sparks
<b>Incompatible materials</b>	: Oxidizing agents, acids
<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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**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
<b>DOT</b>	1234	METHYLAL	3	II	NO
<b>IMDG</b>	1234	METHYLAL	3	II	NO
<b>IATA</b>	1234	METHYLAL	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 : 16/11/2019****Version : 0**

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