

**MATERIAL SAFETY DATA SHEET****Product Name:** ACETALDEHYDE SOLN**CAS No.:** 75-07-0**Version:** 0**1. Identification**

**Product Code** : 93075  
**Company Name** : Advent Chembio Private Limited  
**Address** : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.  
**E-mail** : [info@adventchembio.com](mailto:info@adventchembio.com)  
**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)  
**Company Phone Number** : 022-27690837

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

Flammable liquids : Category 1  
Eye irritation : Category 2  
Carcinogenicity : Category 2  
Specific target organ toxicity - single exposure : Category 3

**Labels elements**

Hazard symbol

**Signal word** : Danger

**Hazard statement** : Extremely flammable liquid and vapour.  
Causes serious eye irritation.  
May cause respiratory irritation  
Suspected of causing cancer

**Precautionary statement** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear eye protection/ face protection.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
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.  
Store in a well-ventilated place. Keep cool.

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**Ingredient** : Ethanal  
**CAS No.** : 75-07-0  
**Percent** : 20-30% w/v  
**Formula** : C<sub>2</sub>H<sub>4</sub>O  
**Molecular Weight** : 44.05g/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

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

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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. For personal protection see section 8.
- 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. Recommended storage temperature 2 - 8 °C

**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**

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<b>Appearance</b>	: A clear colourless solution.
<b>Odor</b>	: No data available
<b>pH</b>	: 5 at 20 °C
<b>Melting point/freezing point</b>	: -124.99 °C
<b>Initial boiling point and boiling range</b>	: 21 °C at 1,013 hP
<b>Flash Point</b>	: -39.99 °C - closed cup
<b>Vapor pressure</b>	: No data available
<b>Vapor density</b>	: 1.52 - (Air = 1.0)
<b>Relative density</b>	: 0.785 g/cm <sup>3</sup>
<b>Solubility in water</b>	: No data available
<b>Solubility (other)</b>	: No data available

**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, Reducing agents, acids, Nitric acid, Peroxides, Bases, Sodium Hydroxide, Amines, Ammonia, Oxygen, Warning: acetaldehyde is oxidized rapidly and exothermically by air, to acetic acid, Acid anhydrides, Alcohols, Halogens, Ketones, Phenol, Hydrogen sulfide gas, Hydrogen peroxide
<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>	
<b>IARC</b>	: No data available
<b>NTP</b>	: No data available

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OSHA : No data available

**Reproductive toxicity** : No data available**Route of Exposure** : No data available**Signs and Symptoms of Exposure** : No data available**12. Ecological Information****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
<b>DOT</b>	1089	ACETALDEHYDE	3	I	No
<b>IMDG</b>	1089	ACETALDEHYDE	3	I	No
<b>IATA</b>	1089	ACETALDEHYDE	3	I	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 :**27/12/2016

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