

## SAFETY DATA SHEET

Creation Date 22-Apr-2009

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Revision Number 5

### 1. Identification

**Product Name** Acetaldehyde

**Cat No. :** AC149510000, AC149510010, AC149510025, AC149510100, AC149512500

**CAS-No** 75-07-0  
**Synonyms** Ethanal

**Recommended Use** Laboratory chemicals.  
**Uses advised against** Food, drug, pesticide or biocidal product use.  
**Details of the supplier of the safety data sheet**

#### Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11  
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

### 2. Hazard(s) identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label

Causes serious eye irritation  
May cause respiratory irritation  
Suspected of causing genetic defects  
May cause cancer



**Precautionary Statements**

**Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Wear eye/face protection
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge

**General Advice**

If symptoms persist, cal



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|  |                                 |
|--|---------------------------------|
| Evaporation Rate                       | 49.1                            |
| Flammability (solid,gas)               | Not applicable                  |
| Flammability or explosive limits       |                                 |
| Upper                                  | 60.0%                           |
| Lower                                  | 4.0%                            |
| Vapor Pressure                         | 986 mbar @ 20°C                 |
| Vapor Density                          | 1.52                            |
| Specific Gravity                       | 0.785                           |
| Solubility                             | Soluble in water                |
| Partition coefficient; n-octanol/water | No data available               |
| Autoignition Temperature               | 140 °C / 284 °F                 |
| Decomposition Temperature              | No information available        |
| Viscosity                              | No information available        |
| Molecular Formula                      | C <sub>2</sub> H <sub>4</sub> O |
| Molecular Weight                       | 44.04                           |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactive Hazard</b>                  | Yes  |
| <b>Stability</b>                        | Air sensitive. Hazardous polymerization may occur.   |
| <b>Conditions to Avoid</b>              | Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air. |
| <b>Incompatible Materials</b>           | Strong oxidizing agents, Acids, Bases, Metals, Strong reducing agents, Alcohols, Amines, Halogens                      |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )  |



hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**Component**

**RCRA - U Series Wastes**

**RCRA - P Series Wastes**

**SARA 311/312 Hazard Categories** See section 2 for more information

**CWA (Clean Water Act)  
Component**

**CWA - Hazardous**



**Disclaimer**

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**End of SDS**