

Version: 11.0  
Revision date: 06/02/2025

Product Name: ACETALDEHYDE NATURAL

## **Section 1: Identification of the Substance/Mixture and of the Company**

### **Product identifier**

Product Name	ACETALDEHYDE NATURAL
Product Number	771-2001

### **Relevant identified use of the substance/mixture and uses advised against**

Use of Substance/Mixture	Cosmetic and flavor agents, not for fragrance use.
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### **Details of supplier of the SDS**

Company	O'Laughlin Corporation Limited
Address	Suite 903, The Chinese Bank Building, 61-65 Des Voeux Road, Central, Hong Kong
Telephone	(852) 2527 1031
Fax	(852) 2529 0231
Website	www.olaughlinco.com

### **Emergency telephone number**

(852) 2527 1031

## **Section 2: Hazards Identification**

### **Classification of the substance or mixture**

#### **Classification according to Regulation (EC) No 1272/2008**

Flammable liquids, Category 1, H224

Acute toxicity – oral, Category 4, H302

Serious eye damage/eye irritation, Category 2, H319

Specific target organ toxicity, single exposure; Respiratory tract irritation, Category 3, H335

Germ cell mutagenicity, Category 2, H341

Carcinogenicity, Category 1B, H350

### **Labelling elements**

#### **Labelling according to Regulation (EC) No 1272/2008**



### **Pictogram**

**Signal word**      **Danger**

### **Hazard Statement**

H224 - Extremely flammable liquid and vapor.

H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation;

H341 - Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H350 - May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

### **Precautionary statement**

**website:** [www.olaughlinco.com](http://www.olaughlinco.com)



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### Prevention

- P201 - Obtain special instructions before use.
- P203 - Obtain, read and follow all safety instructions before use.
- P210 - Keep away from heat/ sparks/ open flames/ hot surfaces. – No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground and bond container and receiving equipment.
- P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242 - Use non-sparking tools.
- P243 - Take action to prevent static discharges.
- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P264 + P265 - Wash hands [and...] thoroughly after handling. Do not touch eyes.
- P270 - Do not eat, drink or smoke when using this product.
- P301 + P317 - IF SWALLOWED: Get medical help.
- P330 - Rinse mouth.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection/ ....

### Response

- P308+P313 - IF exposed or concerned: Get medical advice/ attention.
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P318 - IF exposed or concerned, get medical advice.
- P319 - Get medical help if you feel unwell.
- P337 + P317 - If eye irritation persists: Get medical help.
- P370 + P378 - In case of fire: Use appropriate media to extinguish.

### Storage

- P403 + P235 - Store in a well-ventilated place. Keep cool.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. – if the chemical is volatile and may generate a hazardous atmosphere.
- P405 - Store locked up.

### Disposal

- P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**Hazards Not Otherwise Classified** No information available

**Supplemental Hazard Information** No information available

### Section 3: Composition/information on ingredients

Substance Name	ACETALDEHYDE
CAS Number	75-07-0
EC Number	200-836-8





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<b>Storage</b>	Use the Nitrogen-material container, and keep the temperature under 5-7°C, keep from contact with oxidizing materials. Keep away from strong acids.
<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.
<b>Specific end use(s)</b>	No information available.

### **Section 8: Exposure Controls/Personal Protection**

**Control parameters:** Components with workplace control parameters.

#### **Exposure controls**

**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**

**Eye/face protection** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hand protection** Type of gloves recommended: Butyl rubber. Minimum breakthrough time / gloves: 480 min. Minimum thickness / gloves 0.11 mm.

**Body protection** Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Thermal hazards** Wear suitable protective clothing to prevent heat.

**Environmental exposure controls** Avoid discharge into the environment. According to local regulations, Federal and official regulations.

**Industrial hygiene:** When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### **Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Colorless visual liquid.
<b>Odor</b>	Stimulating odor.
<b>Flash point</b>	-40 °C
<b>Boiling point</b>	21 °C at 760 mm Hg
<b>Specific Gravity</b>	0.804 - 0.824 at 20°C
<b>Refractive Index</b>	1.3315 - 1.3515 at 20°C
<b>Explosion lower limit</b>	4.0 Vol %
<b>Explosion upper limit</b>	57.0 Vol %



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Vapor pressure	902.000 mm/Hg at 25 °C
Solubility (ies)	Insoluble in water.
Auto ignition temperature	175 °C
Viscosity	No information available.

### Section 10: Stability and Reactivity

Reactivity	Stable under normal temperatures and pressures.
Chemical stability	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	No information available.
Incompatible materials	Strong oxidizing agents, strong bases, mineral acids.
Hazardous decomposition products	No information available.

### Section 11: Toxicological Information

#### Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

#### Information on toxicological effects

##### Oral/Parenteral Toxicity

LD50(Oral, Rat)	660 mg/kg
LDLo (intraperitoneal, Rat)	500 mg/kg
LDLo (intravenous, Rabbit)	300 mg/kg
LD50 (Oral, Mouse)	900 mg/kg
LD50 (intraperitoneal, Mouse)	500 mg/kg
LDLo (intravenous, Frog)	800 mg/kg
LD50 (intratracheal, Hamster)	96 mg/kg

##### Dermal Toxicity

LD50 (Skin, Rabbit)	3540 mg/kg
LD50 (Subcutaneous, Rat)	640 mg/kg
LDLo (Subcutaneous, Rabbit)	1200 mg/kg
LD50 (Subcutaneous, Mouse)	560 mg/kg

##### Inhalation Toxicity

LC50(Inhalation, Hamster)	17000 ppm/4H
LC50(Inhalation, Mammal)	20100 mg/m3
LC50(Inhalation, Mouse)	23000 mg/m3/4H
TCLo (Inhalation, Human)	134 ppm/30M
LC50(Inhalation, Rat)	13300 ppm/4H

Skin corrosion/Irritation	Irritant to skin and mucous membranes.
Serious eye damage/irritation	Irritating effect.



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<b>Skin sensitization</b>	Sensitization possible through skin contact
<b>Carcinogenicity</b>	CAS NO 75-07-0: 1
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>Reproductive toxicity</b>	No information available
<b>TOST - single exposure</b>	No information available.
<b>TOST - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

### **Section 12: Ecological Information**

<b>Eco toxicity</b>	Very toxic for fish.
<b>Persistence and degradability</b>	No information available.
<b>Bio accumulative potential</b>	No information available.
<b>Mobility in soil</b>	No information available.
<b>Results of PBT&amp;vPvB assessment</b>	No information available.
<b>Endocrine disrupting properties</b>	No information available.
<b>Other adverse effects</b>	No information available.

### **Section 13: Disposal Considerations**

<b>Disposal instructions</b>	Do not discharge into drains, water course or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous water code</b>	No information available.
<b>Waste from residues/unused products</b>	Empty containers or liner may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied

### **Section 14: Transport Information**

	ADN	ADR	RID	DOT BULK	DOT NON-BULK	IATA	IMDG
<b>UN Number</b>	1089						
<b>Shipping Name</b>	ACETALDEHYDE, ENVIRONMENTALLY HAZARDOUS						



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<b>Hazard Class</b>	3
<b>Packing group</b>	I
<b>Environmental Hazards</b>	Yes

### Section 15: Regulatory Information

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazards Substance List (40 CFR 302.4)	Not listed
OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)	Not listed
SARA 302 Extremely hazardous substances	Not listed
SARA 311/312 Hazard Chemical	Listed
SARA 313 (TRI reporting)	Not regulated
TSCA Section 12 (b) Export Notification (40 CFR 707, Subpt. D)	Listed

Carcinogenic category

EPA	CAS NO 75-07-0 Acetaldehyde : B2
TLV	CAS NO 75-07-0 Acetaldehyde : A3
NIOSH-cA	CAS NO 75-07-0 Acetaldehyde
US. California Proposition 65	CAS NO: 75-07-0 Acetaldehyde: listed.

#### Other federal regulations

CAA Section 112 Hazardous Air Pollutant List	Not regulated
CAA Section 112 (r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated
WGK	Regulated: WGK-group 3

#### US State regulations

US. Massachusetts RTK-Substance List	Not listed
US. New Jersey Worker and Community Right-to-Know Act	Not regulated
US. Pennsylvania Worker and Community Right-to-Know Law	Not listed
US. Rhode Island RTK	Not regulated
US. California Proposition 65	Not listed

#### International Inventories

Country or region	Inventory name	On inventory (yes/no)
Australia	AICS	Yes
Canada	DSL	Yes
Canada	NDSL	No
China	IECSC	Yes
Europe	EINECS	Yes
Europe	ELINCS	No
Japan	ENCS	Yes
Korea	ECL	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	PICCS	Yes



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US and Puerto Rico

TSCA

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Yes

### **Section 16: Other Information**

#### **Revision Information**

Date of this version: Jan.1, 2025

#### **Declaration to Reader**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. O'Laughlin Corporation Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.