

Safety Data Sheet

Revision date: 26/05/2023 Product Name: Natural 2-Methyl Butanal

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

Product identifier

Product Name Natural 2-Methyl Butanal

Product Number 771-2061

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

Use of Substance/Mixture Flavor and fragrance agents

Details of supplier of the SDS

Company O'Laughlin Corporation Limited

Address Suite 1704 Chinachem Tower 34 – 37 Connaught 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 2, H225

Sensitisation – skin (Category 1), H317

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Hazardous to the aquatic environment - chronic toxicity, Category 2, H411

Labelling elements

Labelling according to Regulation (EC) No 1272/2008







Pictogram

Signal word Warning

Hazard Statement

H225 - Highly flammable liquid and vapour.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.



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P235 - Keep cool.

P261- Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER/doctor/.../if you feel unwell.

Storage

P403 - Store in a well-ventilated place.

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	Natural 2-Methyl Butanal	
CAS Number	96-17-3	
EC Number	202-485-6	
% (w/w)	100	

Remarks: The rest unspecified ingredients are impurities, and they are not hazard.

Section 4: First Aid Measures

Description of first aid measures

Skin contact Wash off with soap and plenty of water. Consult a physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

IngestionInhalationNever give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

Indication of any immediate medical and special treatment needed: No information available.

Section 5: Fire-fighting Measures

Flammable properties

Flash point 40 °F

Firefighting



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Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguish media Do not use a solid water stream as it may scatter and spread fire.

Protective equipment and precautions for firefighters

Specific hazards during firefighting Carbon oxides.

Specific protective equipment for firefighters Firefighters must use standard protective equipment including flame

retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure

demand mode when fighting fires.

Specific methods Use water spray to cool unopened containers

General fire hazards Static charges generated by emptying package in or near flammable

vapor may cause flash fire.

Section 6: Accidental Release Measures

Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Evacuate personnel to safe areas. For personal protection see

section 8.

Environmental precautionsDo not let product enter drains.

Methods for cleaning up Soak up with inert absorbent material and dispose of as hazardous waste. Keep in

suitable, closed containers for disposal.

Section 7: Handling and Storage

Storage 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.

Handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for

preventive fire protection.

Specific end use(s) 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.



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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.

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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.

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

Appearance Colorless to pale yellow liquid.

Odor Conform to the standard.

Flash point 40 °F

Specific Gravity0.799-0.804 at 25 °CRefractive Index1.388-1.393 at 20 °CAcid Value1.0mg KOH/g max.Solubility (ies)Insoluble in water.

Auto ignition temperatureNo information available.ViscosityNo 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 reactionsNo hazardous reactions known.

Conditions to avoid No information available.

Incompatible materials Strong oxidizing agents, strong bases, mineral acids.

Hazardous decomposition productsNo information available.

Section 11: Toxicological Information

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system.

Skin contactCauses skin irritation.Eye contactNo information available.IngestionHarmful if swallowed.



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Information on toxicological effects

Mouse, LD50LC50 Inhalation - Rat - 4 h - 14000 ppmDermal ToxicityLD50 Dermal - Rabbit - 4.699 mg/kg

Germ cell mutagenicity No information available.

Carcinogenicity

OSHA 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.

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IARC 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.

ACGIH 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.

NTP 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.

Reproductive toxicity

TOST - single exposure

No information available.

Section 12: Ecological Information

Eco toxicity

Persistence and degradability

Bio accumulative potential

Mobility in soil

Results of PBT&vPvB assessment

Other adverse effects

No information available.

No information available.

No information available.

No information available.

Section 13: Disposal Considerations

Disposal instructions 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.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous water code No information available.

Waste from residues/unused products Empty containers or liner may retain some product residues. This material and

its container must be disposed of in a safe manner.

Contaminated packaging 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 ADI	RID	DOT BULK	DOT NON-BULK	IATA	IMDG
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UN Number	3371		
Shipping Name	2-METHYLBUTANAL		
Hazard Class	3		
Packing group	II		
Environmental Hazards	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	Not listed
SARA 313 (TRI reporting)	Not regulated

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

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
US and Puerto Rico	TSCA	Yes



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Section 16: Other Information

Revision Information

Date of this version: May 26, 2023

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.

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