

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

## Section 1: IDENTIFICATION

Product Name: **2 Methyl Butyraldehyde, Natural**  
 Product Number: 0269100  
 Recommended Use: Flavorings  
 Manufacturer: Aurochemicals  
 7 Nicoll Street  
 Washingtonville, NY 10992 -USA  
 Emergency Telephone No.: 1-800-535-5053  
 (International 1-352-323-3500 collect)

## Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards  
 GHS Classification

Flammable Liquid (Category 2) H225  
 Causes skin Sensitization (Category 2), H317  
 Causes eye irritation (Category 2A), H319  
 Target Organ Toxicity –single exposure, Respiratory Irritation, H335  
 Acute aquatic toxicity (Category 2), H401  
 Chronic aquatic toxicity (Category 2), H411

Hazard Statement: H225 Highly flammable liquid and vapor  
 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

Pictogram or written description



Signal Word: **Danger**

Precautionary Statement

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 P233 Keep container tightly closed  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P303+P361 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing.  
 +P353 Rinse skin with water/ shower.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Substances:

Chemical Name	2-Methyl Butanal
Common Name:	2-Methyl Butyraldehyde
Synonyms:	Acetaldehyde
CAS #	96-17-3
EC#	202-48-6
Molecular Formula	C <sub>5</sub> H <sub>10</sub> O

## Section 4: FIRST AID MEASURES

General Advise:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician
Inhalation:	Provide fresh air, Consult a physician
Ingestion:	Rinse mouth with water, seek medical advice, show this container or label to attending physician
Clothing contamination:	Wash contaminated clothing before re-use

## Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable Liquid
Suitable Extinguishing Media	Carbon Dioxide, alcohol resistant foam, dry chemical
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus Wear rubber boots and heavy rubber gloves Prevent fire-fighting water from entering surface or ground water Cool container with water spray from a safe distance. Contain escaping vapors with water.
Special Risks	Highly Flammable. Vapors heavier than air. Unusual fire and explosion hazards. Vapor may travel considerable distance to source of ignition and flash back. <b>Container explosion may occur under fire conditions.</b> Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

## Section 6: ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures	Evacuate personnel to safe areas. Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms,
Environmental-protected measures	Do not allow to enter drains or sewage system.
Procedures for cleaning / absorption	Take up with liquid absorbent material. Place in appropriate container and keep closed until disposal
Ventilate area	After clean up, wash spill area and ventilate the area well

## Section 7: HANDLING AND STORAGE

Handling:	Take precautionary measures against static discharges. Keep away from sources of
-----------	--

Storage: ignition. When using do not eat or drink.  
Keep container tightly closed, in dry and well ventilated place. Keep away from source of ignition – no smoking

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Contains no substances with occupational exposure limit values

Personal Protective Equipment: **These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.**

Body Protection: Protective clothing should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Respiratory Protection: Required when vapors / aerosols are generated

Eye Protection: Wear appropriate eye and face protection – Face Shield

Hand Protection: Wear chemically resistant gloves

Industrial Hygiene: Handle in accordance with good industrial hygiene and safety practice. Change contaminated clothing and wash before reuse. Wash hands after working with product. Application of barrier cream is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Colorless to pale yellow

Odor: Powerful choking odor

Boiling Point: 93°C

Flashpoint: ca. 4.4 °C

Melting Point/Freezing Point: N/a

Ignition temperature: Not available

Oxidizing Properties: Not oxidizing; Flammable

Lower Explosion Limit: 0.9 Vol %

Upper Explosion Limit: 8.4 Vol %

Vapor Pressure: No data available

Specific Gravity @ 25°C: 0.805-0.820

Solubility in Water: Very slightly soluble

Solubility in Organic Solvents: Soluble in most organic solvents

## Section 10: STABILITY AND REACTIVITY

Conditions to be avoided: Heating

Substances to be avoided: Strong oxidizing agents, sensitive to air, strong bases, strong reducing agents

Hazardous decomposition products: Fumes formed under fire conditions – carbon monoxide, carbon dioxide

Further information: May cause skin irritation and harmful if absorbed through the skin. Causes eye irritation and may be harmful if inhaled.

## Section 11: TOXICOLOGICAL INFORMATION

# Safety Data Sheet

LD50, Oral Rat	6400 mg/kg
LC50 Inhalation Rat	14000 ppm / 4h
LD50 Dermal Rabbit	500 mg
Further toxicological information	After eye contact: irritation

## Section 12: ECOLOGICAL INFORMATION

Do not allow to enter water, drain or soil

## Section 13: DISPOSAL CONSIDERATIONS

Product:	According to local regulations
Packaging:	According to local regulations

## Section 14: TRANSPORT INFORMATION

DOT- Classification	UN1993 Class 3 PGII 2-Methylbutanal Proper shipping name: FLAMMABLE LIQUID N.OS.
IMDG-Classification	UN1993 Class 3 PGII 2-Methylbutanal Proper shipping name: FLAMMABLE LIQUID N.OS.
IATA-Classification	UN1993 Class 3 PGII 2-Methylbutanal Proper shipping name: FLAMMABLE LIQUID N.OS.

## Section 15: REGULATORY INFORMATION

Labeling according to EC Directives	
Symbol	F, Xi Highly Flammable, Irritant
R-Phrases	R11 Flammable R36 Irritating to eyes
S-Phrases	S16 Keep away from sources of ignition – no smoking S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 Wear suitable protective clothing.
EC-no.	202-485-6

## Section 16: OTHER INFORMATION

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

<b>Issued by:</b>	<b>Contact Person:</b>
Aurochemicals	Deo N. Persaud
7 Nicoll Street	Revised Date: 8/4/2022
Washingtonville, NY 10992 USA	