

Safety Data Sheet

HEALTH 2
FLAMMABILITY 3
REACTIVITY 0

Section 1: IDENTIFICATION

Product Name: **Methyl Acetate, Natural**
Product Number: **0267600**
CAS-No.: 79-20-9
Recommended Use: Flavorings

Manufacturer: Aurochemicals
7 Nicoll Street
Washingtonville, NY 10992

Emergency Telephone No.: 1-800-535-5053
(International 1-352-323-3500 collect)

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards: Flammable liquid, Target Organ Effect, Irritant
Target Organs: Eyes, Kidney, Central nervous system
GHS Classification: Flammable Liquids (Category 2) H225
Skin irritation (Category 3) H316
Eye irritation (Category 2A) H319
Specific target organ toxicity-single exposure Respiratory (Category 3) H335

Pictogram or written description



Signal Word: **Danger**

Hazard Statement: H225 Highly Flammable liquid and vapor.
H316 Causes mild skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

Precautionary Statement: P210 Keep away from heat/sparks/open flames/hot surfaces- No smoking
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P305+ IF IN EYES: Rinse cautiously with water for several minutes
P351+ Remove contact lenses if present and easy to do so.
P338 Continue rinsing.

Other hazards: **Repeated exposure may cause skin dryness or cracking.**

HMIS Classification: Health Hazard 2
Chronic Health Hazard*
Flammability 3
Physical Hazards 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

Skin: May be harmful if absorbed through skin. Causes skin irritation

Eyes: Causes eye irritation

Ingestion: May be harmful if swallowed

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Component	Methyl Acetate
Common Name:	Methyl 2 Methylbutyrate
Synonyms:	
CAS #	79-20-9
EC#	201-185-2
Formula	C ₃ H ₆ O ₂
Index No.	607-021-00-X
Molecular Weight	74.08 g/mol

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:	Flush eyes with water as a precaution.
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:	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water, seek medical advice, show this container or label to attending physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

Section 5: FIREFIGHTING MEASURES

Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus. Prevent fire-fighting water from entering surface or ground water. Cool unopened containers with water spray from a safe distance.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental-protected measures	Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge into the environment must be avoided.
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

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion proof equipment. Keep away from sources of ignition-No smoking. Take measures to prevent
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Conditions for safe storage

the buildup of electrostatic charge.

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. Moisture sensitive.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:			Components with workplace control parameters	
Components	CAS-#	Value	Control Parameters	Basis
Methyl Acetate	79-20-9	TWA	200 ppm 610 mg/m3	USA. Occupational Exposure Limit (OSHA) Table Z-1 Limits for air contaminants
<i>Remarks: The value in mg/m3 is approximate</i>				
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		<i>Eye & Upper Respiratory Tract irritation; Headache, Ocular nerve damage</i>		
		STEL	250 ppm	USA. ACGIH Threshold Limit Values (TLV)
		<i>Eye & Upper Respiratory Tract irritation; Headache, Ocular nerve damage</i>		
		TWA	200 ppm 610 mg/m3	USA. Occupational Exposure Limit (OSHA) Table Z-1 Limits for air contaminants
		STEL	250 ppm 760 mg/m3	USA. Occupational Exposure Limit (OSHA) Table Z-1 Limits for air contaminants
		TWA	200 ppm 610 mg/m3	USA. NOISH Recommended Exposure Limits
		ST	250 ppm 760 mg/m3	USA. NOISH Recommended Exposure Limits

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:

Impervious, flame retardant and anti-static 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 tightly fitting safety goggles, Face shield – 8 " min. Wear appropriate eye and face protection.

Hand Protection:

Wear chemically resistant gloves of Nitrile rubber.

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; clear

Odor:

Ethereal, sweet

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Boiling Point:	58°C
Flashpoint:	-13°C
Melting Point	No data available
Ignition temperature	455°C (851°F)
Lower Explosion Limit	3% Vol
Upper Explosion Limit	16% Vol
Vapor Pressure:	217 hPa (163 mmHg) at 20°C (68°F)
Specific Gravity @ 25°C:	0.927-0.941
Solubility :	1:1 in 95% alcohol
Relative vapor density	2.8-(Air-1.0)
Evaporation Rate	No data available

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Heat, Flames and Sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products:	Fumes formed under fire conditions – carbon oxides.
Further information	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	
LD50, Oral - Rat	>5,000 mg/kg
LC50 Inhalation	No data available
LD50 Dermal - Rabbit	<5,000 mg/kg
Other information on acute toxicity:	No data available
Skin corrosion/irritation	Skin-Rabbit- Mild irritation 24-h
Serious eye damage/eye irritation	Eyes-Rabbit- Moderate eye irritation -24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity

IARC	No component of this product present levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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 ACGIH,
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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.

Reproductive toxicity	No data available
Teratogenicity	No data available
Specific target organ toxicity-single exposure (GHS)	May cause drowsiness or dizziness.
Specific target organ toxicity-repeated	No data available

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exposures (GHS)	
Aspiration Hazards	No data available
Signs and Symptoms of Exposure	Narcosis. This product is metabolized into formic acid. Humans and other primates metabolize formic acid more slowly than do rodents. Formic acid can build up in the body producing toxic effects possibly leading to death; therefore, data from studies in rodents may have limited relevance for human risk assessment.
Synergistic effects	No data available
RTECS:	AI9100000

Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Toxicity to fish	-Danio rerio (zebra fish) – 250-350 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	EC50-Daphnia magna (Water Flea) 700-1,000 mg/l 24 h
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very Toxic to aquatic life.

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	UN 1231 Class 3 Packing Group II
Proper shipping name	Methyl Acetate
Reportable Quantity (RQ)	No
Marine pollutant	No
Poison Inhalation Hazard	No
IMDG	UN 1231 Class 3 Packing Group II EMS-No.: F-E, S,D
Proper shipping name	METHYL ACETATE
Marine pollutant	No
IATA	UN 1231 Class 3 Packing Group II
Proper shipping name	Methyl Acetate

Section 15: REGULATORY INFORMATION

OSHA Hazards	Flammable liquid, Target Organ Effect, Irritant
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section

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313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know components

Methyl Acetate

CAS#79-20-9

Rev. Date: 4/24/1993

Pennsylvania Right to Know components

Methyl Acetate

CAS#79-20-9

Rev. Date: 4/24/1993

New Jersey Right to Know components

Methyl Acetate

CAS#79-20-9

Rev. Date: 4/24/1993

California Prop. 65 components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.

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