

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Maltol Isobutyrate, Natural**
 Product Number: 0346200
 CAS-No.: 65416-14-0

Recommended Use: Flavorings

Manufacturer: Aurochemicals
 7 Nicoll Street
 Washingtonville, NY 10992 – USA
 845-496-6065
 845-496-6248 Fax

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

Section 2: HAZARD(s) IDENTIFICATION

OSHA Hazards	No ingredient are hazardous according to OSHA criteria
GHS Classification	Not a hazardous substance or mixture
GHS Label elements, including precautionary statements	None
Hazards not otherwise classified (HNOC) or not covered by GHS.	None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances	
Formula	C ₁₀ H ₁₂ O ₄
Molecular Weight	196.20 g/mol
CAS #	65416-14-0
EC#	265-755-2

Component

No ingredients are hazardous according to OSHA criteria.
 No components need to be disclosed according to the applicable regulations

Section 4: FIRST AID MEASURES

Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 minutes as a precaution.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with plenty of mild soap and warm water.
Inhalation:	Provide fresh air.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse

Clothing contamination: mouth with water.
Wash contaminated clothing before re-use

Section 5: FIREFIGHTING MEASURES

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special protective equipment for firefighters Wear self contained breathing apparatus for firefighting if necessary
Other Information Hazardous decomposition products formed under fire conditions – Carbon oxides.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment. Avoid breathing vapors, mist or gas.
Ensure adequate ventilation. Evacuate personnel to safe area.
Environmental-protected measures Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Procedures for cleaning / absorption Keep in suitable, closed containers for disposal
Ventilate area After sweep up, wash area and ventilate area well

Section 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage Keep container tightly closed in a dry and well-ventilated place.

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: Clothing protecting against chemicals 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: Respiratory protection not required. For nuisance exposures US type P95 particle respirator. For higher levels of protection use OV/AG/P99 particulate respirator NIOSH tested and approved.

Eye Protection: Wear appropriate safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand Protection: Wear chemically resistant Nitrile rubber gloves and use proper glove removal techniques to avoid skin contact with this product. Wash and dry hands after handling this product.

Industrial Hygiene: Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands after working with product

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Pale yellow or colorless
Odor:	Sweet strawberry-like flavor
Melting Point	No data available
Boiling Point:	322.4°C
Flashpoint:	>110°C
Ignition temperature	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	1.146-1.164
Solubility	Insoluble in water; soluble in fixed oils, propylene glycol and ethanol

Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	No data available
Conditions to avoid	Avoid Moisture
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

Carcinogenicity

IARC	No component of this product, present at 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 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
Specific target organ toxicity-Single Exposure (GHS)	No data available
Specific target organ toxicity-Repeated Exposure (GHS)	No data available

Aspiration hazard	No data available
Potential health effects	No data available
Synergistic effects	No data available
RTECS	No data available
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Section 12: ECOLOGICAL INFORMATION

Toxicity	No data available
Other adverse effects	No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15: REGULATORY INFORMATION

OSHA Hazards	None		
SARA 302	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 313		
SARA 311/312 Hazards	No SARA hazards		
Massachusetts Right to Know Components	No components are subject to the Massachusetts Right to Know Act		
Pennsylvania Right to Know Components	2-Methyl-4-oxo-4H-pyran-3-yl Isobutyrate	CAS # 65416-14-0	Rev. Date:
New Jersey Right to Know Components	2-Methyl-4-oxo-4H-pyran-3-yl Isobutyrate	CAS # 65416-14-0	Rev. Date:
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

Safety Data Sheet



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