

HEALTH	0
FLAMMABILITY	2
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Diethyl Succinate, Natural**
 Product Number: 0237700
 CAS No.: 123-25-1

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	Combustible Liquid
GHS Classification	Flammable liquids (Category 4)
Pictogram	None
Signal Word:	Warning
Hazard Statement:	H227 Combustible liquid
Precautionary Statement	P210 Keep away from heat/sparks/open flames/hot surfaces –No smoking.
	P280 Wear protective gloves/protective clothing/eye protection/eye protection.
	P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
	P403+P235 Store in a well ventilated place. Keep cool
HMIS Classification	P501 Dispose of contents/container to an approved hazardous waste disposal plant.
	Health Hazard 0
	Flammability 2
	Physical Hazards 0

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	123-25-1
EC#	204-612-0
Molecular Weight	174.19 g/mol
Molecular Formula	C ₈ H ₁₄ O ₄

HAZARDOUS COMPONENTS

Component	Classification	Concentration
Diethyl Succinate	Flam. Liq. 4; H227	-

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:	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:	Wash contaminated clothing before re-use.

Section 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	For small (incipient) fires, use media such as alcohol foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Special Firefighting Procedures:	Do not stay in danger zone without self contained breathing apparatus.
Hazardous combustion products	Formed under fire conditions – Carbon oxides.
Other Information	Hazardous decomposition products formed under fire conditions – Carbon oxides. Use water spray to cool unopened containers.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. 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 let product enter drains.
Procedures for cleaning / absorption	Pick up and arrange disposal without creating dust. Sweep up and shovel and place in container for disposal according to local regulations.
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 inhalation of vapor or mist. Keep away from sources of ignition-no smoking. Take measures to prevent the buildup of electrostatic charge.
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Conditions for safe storage

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.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective threshold limit values. Ensure eye wash stations and safety showers are proximal to the work station location.
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 antistatic 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:	Where risk assessment shows respirators are appropriate the respirator should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
Eye Protection:	Wear appropriate eye and face protection. 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
Industrial Hygiene:	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:	Colorless
Odor:	Faint, pleasant odor
Boiling Point:	216-218°C
Flashpoint:	206°C
Melting Point/Freezing Point:	-20°C - lit
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:	1.037-1.047
Solubility in Water:	1 mL is soluble in 50 mL water; miscible in alcohol, ether and oils

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, sparks
Materials to avoid	Strong oxidizing agent, reducing agents, acids, alkalis
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions-Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

LD50, Oral Rat	8,530 mg/kg
LC50 Inhalation	No data available
LD50 Dermal	No data available
Further toxicological information	No data available
Skin corrosion / irritation	Rabbit – Mild skin irritation
Serious eye damage / eye irritation	Rat- Mild eye irritation
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	Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
	Ingestion	May be harmful if swallowed. May cause digestive tract irritation
	Skin	May be harmful if absorbed through skin. May cause skin irritation
	Eyes	May cause eye irritation

Synergistic effects
RTECS No data available
WM7400000

Section 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50-Pimephales promelas (fathead minnow) 140 mg/l-96h
Further ecological data	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 (US) Not a dangerous goods
IMDG-Classification Not a dangerous goods
IATA-Classification Not a dangerous goods

Section 15: REGULATORY INFORMATION

OSHA Hazards Combustible Liquid

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 Fire Hazard

Massachusetts Right to Know Components No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components Diethyl succinate CAS # 123-25-1 Rev. Date:

New Jersey Right to Know Components Diethyl succinate CAS # 123-25-1 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 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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