



Section 1. Product and Company Identification

Product Name Diisononyl Adipate
CAS Number 33703-08-1

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Section 2. Hazards Identification

Classification of the substance or mixture

Classification of this substance/mixture is based on **29 CFR 1910.1200/HazCom 2012 (GHS-US)**

GHS Label Elements

Pictograms: None

Signal word: None

Hazard and precautionary statements

Precautionary Statements

P262: Do not get in eyes, on skin, or on clothing.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P314: Get medical advice/attention if you feel unwell.

Section 3. Composition / Information on Ingredients

Common Name Diisononyl Adipate
Synonym(s) DINA
CAS Number 33703-08-1

COMPONENT	CAS NUMBER	CONCENTRATION
Diisononyl Adipate	33703-08-1	100%

Section 4. First Aid Measures

Eyes: Immediately flush with gentle but large stream of water for 15 min, lifting upper and lower eyelids occasionally. Get medical attention if irritation develops.

Skin: Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.

Inhalation: Move the person to fresh air. If breathing becomes difficult, contact a physician.

Ingestion: Do not induce vomiting. If large amounts were swallowed, give water to rinse mouth and get medical attention.

Section 5. Firefighting Measures

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide. Unsuitable Extinguishing Media: None known. Special Protective Equipment for

Firefighters: Self-contained breathing apparatus and protective clothing when fighting any chemical fire.

Unusual Fire & Explosion Hazards: In case of fire, containers may explode from internal pressure. Cool with water. May emit toxic fumes of CO and CO₂ under fire conditions.

Section 6. Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

Environmental precautions: P273: Avoid release to the environment Limit leakage with earth or sand. Do not discharge into the drains/surface water/groundwater. Dispose of absorbed material in accordance with local, state and federal regulations.

Methods for Containment/Cleaning Up: Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of absorbed material in accordance with local, state, and federal regulations.

Section 7. Handling and Storage

Handling

P261: Avoid breathing mists of product

P262: Do not get in eyes, on skin, or on clothing

P264: Wash thoroughly after handling

P280: Wear protective gloves/eye protection

Storage

P402+404: Store in a dry place. Store in a closed container

P403+233: Store in a well ventilated place. Keep container tightly closed Protect from moisture. Do not store together with acids.



Special Packaging Requirements: None known.

Incompatible Materials or Fire/Explosion Protection: Strong oxidizers.

Section 8. Exposure Controls / Personal Protection

Personal Protective Equipment (PPE):

Hand Protection: Use impervious gloves.

Eye Protection: Wear safety glasses with side shields.

Skin Protection: Wear protective clothing.

Respiratory Protection: Recommended if ventilation is limited.

Engineering Measures/Controls

Ventilation: Ensure adequate ventilation to maintain product at acceptable airborne levels.

Other measures: Eye-wash station.

Exposure Limits/Guidelines

Material	CAS#	Basis	Type	Value
None				

Section 9. Physical and Chemical Properties

Form and Appearance:	Clear, colorless to pale yellow liquid
pH:	N/A
Boiling Point:	~ 781°F (416°C) (lit.)
Vapor Pressure:	< 0.01 mmHg @ 20°C
Flash Point:	~401°F (205°C)
UEL:	N/A
Viscosity:	~ 20 cps @ 25°C
Octanol/Water Partition Coefficient:	N/D
Auto-ignition temperature:	N/D
Volatile content:	< 0.1%
Odor:	Faint
Odor Threshold:	N/D
Melting/Freezing point:	< -15°F (26.1°C)
Vapor Density (Air=1):	N/A
Evaporation Rate:	< 0.01



LEL: N/A
Solubility in Water: Insoluble
Specific Gravity/ Bulk Density: ~ 0.92 @ 25°C
Decomposition Temperature: N/D
VOC Data: N/D

Section 10. Stability and Reactivity

Chemical Stability: Product is stable under ordinary conditions of use and storage.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Exposure to moist air or water, extreme heat, sources of ignition.
Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: Extremely high temperatures and thermal decomposition may produce CO_x.

Section 11. Toxicological Information

Acute Data

Principle Routes of Exposure: Eye contact, skin contact, ingestion, inhalation (mist).

Acute Toxicity

Route of exposure:	Test type:	Species:	Results:	Comments:
Oral	LD50	Rat	>10000 mg/kg	-
Dermal	LD50	Rat	>3160 mg/kg	-

Irritation and Corrosion

Target organ:	Species:	Results:	Comments:
Eyes	Rabbit	Non-irritating	-
Skin	Rabbit	Non-irritating	-

Sensitization

Target organ	Species	Results	Comments
Skin	Human	No effects known	-

Specific Target Organ Toxicity - Single Exposure

Target organ:Species:			
Results: Comments:			
None			-

Chronic Data



Carcinogenicity

IARC/NTP/ACGIH/OSHA			
No	No	No	No

Mutagenicity: NDA

Reproductive Effects: NDA

Target Organ Effects: NDA

Section 12. Ecological Information

Acute Aquatic Toxicity

Species:	Test type:	Exposure time:	Results:	Comments:
Fish	LC50	96h	> 500 mg/l	Far exceeds water solubility limit
Daphnia magna	EC50	24h	> 100 mg/l	Far exceeds water solubility limit
Algae	EC50	48h	> 500 mg/l	Far exceeds water solubility limit

Environmental Fate

Persistence/Degradability:	Product is readily biodegradable. Elimination: >73% in 28d
COD/BOD5:	NDA
Bioaccumulation Potential:	Low.
Mobility in Soil:	Moderate due to low water solubility and low vapor pressure.
Other Adverse Effects:	NDA

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

US DOT Regulations (Land Transport)

Proper Shipping Name: Not regulated.

Hazard Class: Not regulated.

UN Number: Not regulated.

Packing Group: Not regulated.

Label Required: Not regulated.

Other Information: Not regulated.



IATA/ICAO Regulations (Air Transport)

Proper Shipping Name: Not regulated.
Hazard Class: Not regulated.
UN Number: Not regulated.
Packing Group: Not regulated.
Label Required: Not regulated.
Other Information: Not regulated.

IMDG/IMO Regulations (Maritime Transport)

Proper Shipping Name: Not regulated.
Hazard Class: Not regulated.
UN Number: Not regulated.
Packing Group: Not regulated.
Label Required: Not regulated.
EMS Number: Not regulated.
Segregation Groups: Not regulated.
Marine Pollutant (Y/N): Not regulated.
Other Information: Not regulated.

Section 15. Regulatory Information

Domestic Regulations

Components Requiring Notification

SARA 302 (TPQ)	SARA 304 (RQ)	SARA 313	CERCLA (RQ)	CAA 112(b) HAPS	CAA 112(r)
None	None	None	None	None	None

SARA 311/312 Hazard Categorization: None

State Information

California Proposition 65: May contain traces (< 100 ppm) of the following components known to the State of California to cause cancer, birth defects, or other reproductive harm. None.

State Right to Know/Hazardous Substance List Information: The following chemicals are present on one or more Right to Know/Hazardous Substance Lists for the states of MA, MN, NJ, PA and RI. None.

This is not an exhaustive list. For information on listings in other states, please consult that State's RTK/HSL.

Chemical Inventories

United States (TSCA)	EUROPE (EINECS/ELINCS/NLP)	Australia (AICS)	Philippines (PICCS)	Canada	Korea (ECL)	Japan (ENCS/ISHL)	China (IECSC)		New Zealand (NZIoC)
							DSL	NDSL	
Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes

Section 16. Other Information

Disclaimer: 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.

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