



Safety Data Sheet (SDS)

Revision / Review Date: 12/10/14

1. Chemical Product and Company Identification

Product Name:	DINA
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Diisononyl adipate
Molecular Formula:	C ₂₄ H ₄₆ O ₄
Molecular Weight via GPC, Mn:	398.62
Product Use:	Plasticizer
OSHA Status:	Non hazardous
CAS No:	33703-08-1

For emergency health, safety, and environmental information, calls 330-920-8023.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300.

2. Hazard(s) Identification

<u>Emergency overview:</u>	A clear colorless, oily liquid, which may be irritating to eyes and skin. Ingestion and prolonged contact should be avoided.
<u>Signs and Symptoms of Exposure:</u>	Material can accumulate static charges which may cause an ignition.
<u>Eye Contact:</u>	Cause serious eye irritation.
<u>Skin Contact:</u>	Cause skin irritation.
<u>Ingestion:</u>	Harmful if swallowed.
<u>Inhalation:</u>	May cause respiratory irritation.
<u>HMIS Hazard Ratings:</u>	Health-1 , Flammability - 1, Reactivity -0, Personal-B
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

3. Composition / Information on Ingredients

HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

Phone 330-920-8023 Fax 330-920-0971

www.hbchemical.com

Weight Percent	Component Identity	CAS Registry Number
100%	diisononyl adipate	33703-08-1

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air; give artificial respiration or oxygen if necessary.
<u>Eyes:</u>	Flush eyes with water for 15 minutes. Call a physician if irritation develops.
<u>Skin:</u>	Wash skin with soap and water. If in contact with hot product, treat as a burn. Consult a physician.
<u>Ingestion:</u>	Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Use water spray, alcohol-resistant foam, chemical foam, dry chemical or carbon dioxide.
<u>Special Fire Fighting Procedures:</u>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
<u>Hazardous Combustion Products:</u>	Smoke, Fume, Incomplete combustion products, Oxides of Carbon.

6. Accidental Release Measures

<u>Personal protection:</u>	Wear appropriate protective clothing, gloves and equipment. Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
<u>Methods for clean up:</u>	Contain spill with inert absorbent or earth. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Major spills should also be reported to the National Response Center.
<u>Environmental Disposal Information:</u>	Prevent run-off into sewers or natural waterways. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802).

Waste Disposal:

Keep in suitable, closed containers for disposal. Dispose of according to local and state regulations. All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

7. Handling and Storage:

Precautions to be taken in handling:

Wearing protective eye shields and clothing while perform drum and tote filling in well-ventilated area. Avoid contact with skin and eyes.

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. Don't not store near heat.

Empty containers:

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

8. Exposure Controls / Personal Protection

Respiratory Protection:

Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.

Ventilation:

Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

Hand protective:

Wear gloves.

Eye Protection:

Wear chemical safety goggles.

Skin and Body Protection:

Boots and apron as appropriate.

Other Precautions:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

Decontamination Facilities:

There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

9. Physical and Chemical Properties

Physical Form:

Liquid

<u>Appearance & Odor:</u>	Clear colorless/ mild
<u>Specific Gravity:</u>	@20°C = 0.92
<u>Solubility in Water:</u>	<0.1%
<u>Flash Point, TAG CC F:</u>	228°C (442°F)
<u>Evaporation Rate (Water ~ 1):</u>	< 1 (butyl acetate=1) < 0.01
<u>Vapor Density (Air ~ 1):</u>	920 kg/m
<u>Boiling Point (°F) Initial:</u>	> 250°C (482°F)
<u>Freezing point:</u>	-60°C (-76°F)
<u>Auto ignition Temperature, °C:</u>	>370°C (698°F)

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal temperature.
<u>Incompatibility (Materials to Avoid):</u>	Reacts with strong oxidizing agents, bases and nitric acid.
<u>Conditions to Avoid:</u>	Kept away from extreme heat.
<u>Hazardous Polymerization:</u>	Carbon monoxide, and carbon dioxide.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

12. Ecological Information

<u>Biodegradation:</u>	Expected to be readily biodegradable.
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13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not regulated.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.