

MATERIAL SAFETY DATA SHEET

Product Name: DDSA
Catalog Number: 21340
Chemical Name and Synonyms: Dodecyl Succinic Anhydride
DOT Hazard Class: Not Hazardous
MSDS Updated: 9/2011

Distributed By: Ladd Research Industries
83 Holly Court
Williston, VT 05495
(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
DDSA	25377-73-5	min. 98	Not Available
Free Acid	29658-97-7	max. 2	Not Available

PHYSICAL AND CHEMICAL DATA

Boiling Point: 181 °C at 5 mm Hg
Vapor Pressure: 5.0 mm Hg at 170 °C
Vapor Density: 9.25 (air = 1)
Specific Gravity: 1.005 @ 15.5/15.5 °C
Melting Point: Becomes glassy below 0 °C
Solubility: Insoluble in water. Soluble in chlorobenzene, acetone, dimethyl sulfide
Reactivity with Water: Slowly hydrolyzes to the diacid
Appearance and Odor: Clear liquid. Light yellow. Viscous. Mild, slightly pungent odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 178 °C (Cleveland Open Cup)
Autoignition Temperature: Not applicable.
Explosive Limits: Unknown
Extinguishing Media: Foam, carbon dioxide
Special Fire Fighting Procedures: Vapors and fumes can cause serious respiratory problems. Respiratory protection required.
Unusual Fire and Explosion Hazards: Protect spilled material from alkali ions which are known to cause polymerization.

HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, skin, eye
Inhalation: Coughing, bronchitis, possible asthmatoïd reaction
Skin: Erythema, skin rash, dermatitis.
Eye: corneal damage, irritation, inflammation

EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air and get medical attention.
Skin: Wash skin with plenty water for 15 minutes. Remove contaminated clothes.
Eye: Flush eyes with water for at least 15 minutes. Obtain medical attention.
Ingestion: DO NOT induce vomiting. If patient is conscious give water or milk to dilute. Do not attempt chemical neutralization. Get medical attention.

REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: May occur
Conditions to Avoid: Hazardous polymerization may occur with alkali ions.

