

Order No. 68408

POLYSCIENCES, INC.  
400 VALLEY ROAD  
WARRINGTON, PA. 18976  
(215)343-6484

MATERIAL  
SAFETY  
DATA  
SHEET

CAT.NO.: 00563

JULY 16, 1991

SECTION I IDENTIFICATION

Chemical Name: DODECENYL SUCCINIC ANHYDRIDE  
Formula: C16 H26 O3

CASRN [25377-73-5]

SECTION II HAZARDOUS INGREDIENTS

Hazardous Components:  
Dodeceny Succinic Anhydride

Threshold Limit Values			
OSHA-PEL		ACGIH-TWA	
ppm	mg/m3	ppm	mg/
NE	NE	NE	N

SECTION III PHYSICAL DATA

Boiling Point	:328 F @ 5mmHg	% Volatile by Volume	:N/D
Vapor Pressure @170 Cdegrees	:5.0	Evaporation Rate (Butyl Acetate = 1)	:(<0.07
Vapor Density	:9.25	Specific Gravity	:0.95
Solubility in Water	:insoluble	Melting Point	:(<0 C
Appearance and Odor	:clear light yellow, viscous liquid mild odor		

SECTION IV EXPLOSION AND FIRE HAZARD DATA

Flash Point: 343-347 F	Flammable Limits:
Test Mode: Cleveland Open Cup	LEL: N/D UEL:N/D

Extinguishing Media: carbon dioxide, foam  
 Special Fire Fighting Procedures: Firefighters must wear self-contained breathing apparatus and fully protective equipment  
 Unusual Fire and Explosion Hazards: Keep drums cooled with water stream. Protect spilled material from contact with alkali ions which polymerize product with violent evolution of CO2

PSI HAZARD CODE: H07g

\*\*\*\*\*  
 \* POLYSCIENCES, INC. provides the information contained herein in good \*  
 \* faith but makes no representation as to its comprehensiveness or \*  
 \* accuracy. Individuals receiving this information must exercise their \*  
 \* independent judgement in determining its appropriateness for a par- \*  
 \* ticular purpose. POLYSCIENCES, INC. makes no representations or war- \*  
 \* ranties, either expressed or implied of merchantability, fitness for \*  
 \* particular purposes with respect to the information set forth herein \*  
 \* or to which the information refers. Accordingly POLYSCIENCES, INC. \*  
 \* will not be responsible for damages resulting from the use of or \*  
 \* reliance upon this information. \*  
 \* \*\*\*\*\*

N/A = Not Applicable; NE = Not Established; N/D = No Data

OSHA = Occupational Safety and Health Administration  
 ACGIH = American Conference of Governmental Industrial Hygienists  
 NFPA = National Fire Protection Association

## =====

## SECTION V HEALTH HAZARD

-----  
Threshold Limit Value: NE-----  
Effects of Overexposure: IRRITANT: Causes eye irritation, inflammation and corneal damage. Inhalation may cause coughing, bronchitis, and asthmoid reaction. May produce erythema, skin rash and dermatitis. Is irritant of mucous membranes and lungs. Sensitization can occur.-----  
First Aid:

Skin Contact: Wash affected area with copious amounts of water.

Eye Contact : Flush eyes with water for at least 15 minutes. See physician.

Inhalation : Remove to fresh air. Give oxygen or artificial respiration, as needed.

Ingestion : Drink 1 or 2 glasses of water. Call physician.

Seek medical treatment if discomfort persists.

## =====

## SECTION VI REACTIVITY DATA

Stability: stable

Conditions to Avoid: will hydrolyze in presence of water

Incompatibility: water, acid, bases, oxidizing materials

Hazardous Decomposition Products: NE

Hazardous Polymerization: may occur

Conditions to Avoid: addition of alkali ions

## =====

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Wear self-contained breathing apparatus, rubber boots and gloves. Absorb on sand or vermiculite and place in closed container for disposal. Wash and ventilate spill site after pickup is complete

Waste Disposal Method: Mix waste with a combustible carrier and burn in a suitably equipped chemical incinerator

Disposal must comply with Federal, state and local regulations.

## =====

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: OSHA/MHSA approved respirator if needed

Ventilation: local exhaust

Protective Gloves: rubber

Eye Protection: safety goggles

Other Protective Equipment: safety shower and eye bath

L

## =====

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage: Store material at room temperature. Keep storage container tightly closed. Avoid exposure to water or humidity. Avoid prolonged or frequent exposure. Wash thoroughly after handling.