

POLYSCIENCES, INC.
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MATERIAL
SAFETY
DATA
SHEET

CAT.NO.: 00886

JULY 30, 1991

SECTION I IDENTIFICATION

Chemical Name: NADIC METHYL ANHYDRIDE

Formula: C10 H10 O3

CASRN [25134-21-8]

SECTION II HAZARDOUS INGREDIENTS DATA

Hazardous Components:

Threshold Limit Values

Nadic Methyl Anhydride > 99 %
Free acid < 1 %

OSHA-TWA		OSHA-STEL	
ppm	mg/m3	ppm	mg/m3
NE	NE	NE	NE

SECTION III PHYSICAL DATA

Boiling Point	:280 F @ 10 mm Hg	% Volatile by Volume	:N/D
Vapor Pressure @120 C degrees	:5.0 mm Hg	Evaporation Rate (Butyl Acetate = 1)	:N/D
Vapor Density	:6.1 @ 20 C	Specific Gravity	:1.3
Solubility in Water:	N/D	Melting Point	:N/D
Appearance and Odor	:pale tan liquid, no odor		

SECTION IV EXPLOSION AND FIRE HAZARD DATA

Flash Point: 275 F

Flammable Limits:

Test Mode: COC

LEL: N/D UEL:N/D

Extinguishing Media: water, carbon dioxide, dry chemical powder, foam
Special Fire Fighting Procedures: Firefighters must wear self-contained breathing apparatus and fully protective equipment
Unusual Fire and Explosion Hazards: NE

POLYSCIENCES, INC. HAZARD CODE: BHOV7m

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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

Route(s) of Entry: Inhalation: yes Skin:yes Ingestion: yes
RTECS#:RB9100000 Carcinogenicity:not listed
Health Hazards (acute and chronic):Toxic. Corrosive. Skin sensitizer.
Irritant.

Medical Conditions Generally Aggravated by Exposure: Asthma. Chronic pulmonary conditions.

Signs and Symptoms of Exposure: Very irritating to eyes, skin and respiratory tract.

Emergency and First Aid Procedures:

Skin Contact: Wash affected area with copious amounts of water.
Remove and launder contaminated clothing before reuse.

Eye Contact : Flush eyes with water for at least 15 minutes.
Separate lids with fingers to insure cleansing. 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: NE

Incompatibility: NE

Hazardous Decomposition Products: NE

Hazardous Polymerization: will not occur

Conditions to Avoid: NE

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 inert material and collect for disposal. Wash and ventilate spill site after pickup is complete

Waste Disposal Method: Incinerate in suitably equipped incinerator if in compliance with all local, state, and Federal regulations, or contact an approved and licensed disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection:OSHA/MHSA approved respirator

Ventilation: local exhaust

Protective Gloves:chemical resistant Eye Protection:safety goggles

Other Protective Equipment: safety shower and eye bath

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage: Store material at room temperature. Do not allow to freeze. Keep storage container tightly closed. Avoid contact with skin and eyes. Do not inhale.