

Material Safety Data Sheet



Vi-Jon Laboratories, Inc.

8515 Page Avenue

St. Louis, MO 63114

314-427-1000

Section I: Chemical Identification

Product Name: Regular Nail Polish Remover with Dimethyl Ester

Product Code: PN 679

Date Prepared: May 16, 1997

Product Use: Nail polish remover

Manufacturer: Vi-Jon Laboratories, Inc.

FOR MORE INFORMATION CALL:

314-427-1000

IN CASE OF AN EMERGENCY:

1-800-424-9300 CHEMTREC

Section II: Hazardous Ingredients/Identity Information

Hazardous Components

Acetone

CAS Number 67-64-1

OSHA PEL

TWA: 750 ppm

STEL: 1000 ppm

ACGIH TLV

TWA: 750 ppm

STEL: 1000 ppm

% Content

62.0-70.0

NFPA Hazard Identification:

HEALTH = 1

FIRE = 3

REACTIVITY = 0

National Fire Protection Association(NFPA) Legend:

4=Extreme

3=Serious

2=Moderate

1=Slight

0=Minimal

UN Number

UN 1090

Emergency Overview: Regular Nail Polish Remover (NPR) is a yellow liquid possessing a sweet, flowery odor. It is a volatile substance in that it is extremely flammable and its vapors form explosive mixtures with air. Since NPR vapors travel with air currents, they can be ignited by spark or flame remote from the site the NPR is being handled. Dangerous fire hazard when exposed to heat, sparks, flame, or oxidants. Eye and mucous membrane irritant. Harmful if swallowed or inhaled.

Additional information Section VI.

Section III: Physical and Chemical Characteristics

Reviewed: 1/28/2005

Appearance: Clear liquid with a yellow color.
Physical State: Liquid.
Odor: Residual flowery fragrance.
Boiling Point: approximately 140EF (60EC)
Flash Point: 5EF (-15EC)
Method: Tag closed cup.
Specific Gravity: 0.843 (H₂O=1)
Vapor Pressure @ 20EC: 180mm Hg.
Vapor Density: 2.0 (Air=1)
Evaporation Rate: >7 (Butyl Acetate=1)
Melting Point: -95.6EC
Solubility in Water: Soluble.

Section IV: Fire and Explosion Hazard Data

Flash Point: 5EF (-15EC)
Lower Flammable Limit: 2.6 (Volume % in air)
Upper Flammable Limit: 12.8 (Volume % in air)
OSHA Flammability Class: Flammable Liquid IB.

Extinguishing Media:

Small Fire: Use carbon dioxide or dry chemical
Large Fire: Use alcohol foam.

Note: Normal firefighting foams that are suitable for gasoline or hydrocarbon fires will break down and will not extinguish acetone fires. Water spray will reduce the intensity of the flames.

Acetone/water solutions have flash points when the acetone concentration is greater than 8% (by weight). The fire point, which is the percent by weight when a solution sustains a flame, is higher than that.

Unusual Fire and Explosion Hazards:

Nail Polish Remover is extremely flammable and its vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants.

Special Firefighting Precautions/Instructions:

Handle as a flammable liquid. Use water to keep fire-exposed tanks and containers cool. Do not enter fire area without proper personal protective equipment to include a self-contained breathing apparatus.

Section V: Reactivity Data

Stability? Conditions to Avoid:

Normally stable. Keep away from heat, sparks and flame.

Incompatibility. Materials to Avoid:

Avoid strong oxidizing agents.

Hazardous Decomposition Products:

Carbon Monoxide, water vapor and unidentified organic compounds.

Hazardous Polymerization?

Hazardous polymerization will not occur.

Section VI: Health Hazard Data

Potential Health Hazards:

Skin: Prolonged exposure to vapor irritates the skin. Repeated and prolonged contact of the liquid with the skin and cause dryness and erythema (inflammation).

Eyes: Can cause irritation of the eyes and mucous membranes.

Inhalation: Vapor concentration of 2,500-3,000 ppm causes minor irritation of the eyes, nose and throat. Inhalation of higher concentration may cause headache, nausea, confusion, drowsiness, convulsions, and coma.

Ingestion: Ingestion of a toxic dose can cause gastroenteric irritation, narcosis and injury to the kidneys and liver.

Delayed Effects: Nail Polish Remover with DME is not known to produce chronic or cumulative systemic effects.

Carcinogenicity?

NTP

IARC Status

OSHA

No ingredients listed in this section.

Medical Conditions Generally Aggravated by Exposure:

pre-existing eye, skin, and respiratory disorders, and asthma.

Section VII: First Aid Procedures

Skin: In case of skin contact remove contaminated clothing, immediately wash affected area with soap and water. Get medical attention if contact causes skin to crack or dermatitis.

Eye: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids wide open. Get prompt medical attention.

Inhalation: If inhaled remove patient to fresh air. If not breathing give artificial respiration. If breathing is difficult, oxygen can be given by a qualified operator. Get prompt medical attention.

Ingestion: If swallowed, do not induce vomiting unless advised by a physician. Get prompt medical attention.

Section VIII: Precautions for Safe Handling and Use

In Case of Spill or Release:

Always wear the proper personal protective equipment. Eliminate all sources of ignition in the vicinity of the spill. Isolate the spill area and contain. Only trained personal fitted with the proper personal protective equipment should be allowed to enter the spill site. Terminate the leak immediately, if possible. Collect the spill in a waste container for disposal. Flush the spill area thoroughly with water. Spill and washings must be contained and prevented from entering a waterway.

Waste Disposal Method:

Dispose according to federal, state, and local regulations.

Handling and Storage:

Do not store above 120EF (49EC). Keep away from sources of ignition and oxidizing materials. Always use in a well ventilated area.

Empty containers, must be assumed to be hazardous due to residual product.

Other Precautions:

Keep Away From Children!

Section IX: Exposure Controls

Reviewed: 1/28/2005

Engineering Controls:

Good ventilation is essential in areas where this product is handled to prevent the accumulation of explosive mixtures. Explosion-proof fans and electrical should be used in mechanical type ventilation systems.

Personal Protective Equipment:

Skin Protection: Natural rubber, Butyl, or neoprene gloves and apron. Chemical resistant safety shoes.

Eyes and Face: Chemical safety goggles.

Other Protective Clothing or Equipment:

Eye Wash, safety shower, protective suit. Fire blankets. Warning signs.

Respiratory Protection:

No respiratory protection is required for concentrations below 750 ppm.

750 ppm-1000 ppm-NIOSH approved chemical cartridge respirator with an organic vapor cartridge.

1,000-12,000 ppm-require NIOSH approved air purifying full face respirator with organic vapor canister.

12,500 ppm and above -requires NIOSH full face supplied air respirator operated in pressure demand or other positive pressure mode.

Escape-NIOSH approved air purifying, full face respirator with organic vapor canister or any escape type self-contained breathing apparatus.

Work/Hygienic Practices:

Following generally recognized safety practices and sound work methods should be used when handling this product in large or small quantities.

Notice

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