

**Humco Holding Group, Inc.**  
**7400 Alumax Drive**  
**Texarkana, TX 75501**  
**903-334-6200**

Item#0395-1800

**Nail Polish Remover**

**Date Prepared: 04/10/07**

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**SECTION 1 PRODUCT IDENTIFICATION**

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**Product Name:** Nail Polish Remover

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**Emergency Telephone Numbers:**

Humco Holding Group      800-662-3435  
Chemtec                      800-424-9300

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**SECTION 2 COMPONENTS**

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<b>Hazardous Components</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>% Content</b>
Acetone (67-64-1)	TWA: 750 ppm STEL: 1000 ppm	TWA: 750 ppm STEL: 1000 ppm	70.0

**NFPA HAZARD RATING SYSTEMS**

Health	1	4 = Severe
Flammability	3	3 = Serious
Reactivity	0	2 = Moderate
		1 = Slight
		0 = None

**UN Number:** UN1090

**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's 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.

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**SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance & State:** Clear liquid with a yellow color.

**Odor:** Residual flowery fragrance.

**Flash Point (Tag Closed Cup):** -15°C (5°F)

**Solubility:** Soluble

**Specific Gravity:** 0.843

**% Volatiles by Volume @ 21°C (70°F):** 100

**Evaporation Rate (BuAc=1):** > 7

**Boiling Point:** approx. 60°C (140°F)

**Melting Point:** -95.6°C

**Vapor Density (Air=1):** 2.0

**Vapor Pressure @ 20°C:** 180 mm Hg

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**SECTION 4****FIRE FIGHTING MEASURES**

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**Flash Point (Tag Closed Cup):** -15°C (5°F)      **Lower Flammable Limit:** 2.6 (Volume % in air)

**Upper Flammable Limit:** 12.8 (Volume % in air) **OSHA Flammability Class:** Flammable Liquid 1B.

**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.

**Special Firefighting Procedures:** 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.

**Unusual Fire & 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.

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**SECTION 5****STABILITY & REACTIVITY**

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**Stability:** Stable under ordinary conditions of use and storage. Keep away from heat, sparks and flame.

**Hazardous Decomposition Products:** Carbon monoxide, water vapor and unidentified organic compounds.

**Hazardous Polymerization:** Will not occur.

**Incompatibles:** Avoid strong oxidizing agents.

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**SECTION 6****HEALTH HAZARD DATA**

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**Skin:** Prolonged exposure to vapor irritates the skin. Repeated and prolonged contact of the liquid with the skin can 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:** NO ingredients listed in this section.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing eye, skin and respiratory disorders and asthma.

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**SECTION 7****FIRST AID MEASURES**

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**Ingestion:** Call a physician. If swallowed, do **NOT** induce vomiting.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if contact causes skin to crack or dermatitis.

**Eye Contact:** In case of eye contact, immediately flush with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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**SECTION 8****ACCIDENTAL RELEASE MEASURES**

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**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 personnel 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 washing must be contained and prevented from entering a waterway.

**Waste Disposal Method:** Dispose according to federal, state and local regulations.

**Handling & Storage:** Do not store above 120°F (49°C). 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!!!

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**SECTION 9****EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**Eyes & Face:** Chemical safety goggles.

**Other Protective Clothing or Equipment:** Eye wash, safety shower, protective suit, fire blankets and warning signs.

**Respiratory Protection:** No respiratory protection is required for concentrations below 750 ppm. 750 – 1000 ppm – NIOSH approved chemical cartridge respirator with an organic vapor cartridge. 1000 – 12000 ppm – Require NIOSH approved air purifying full face respirator with organic vapor canister. 12500 ppm and above – requires NIOSH full face 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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