

**MATERIAL SAFETY DATA SHEET**

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**Hazard Rating Scale**

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

Health: 1

Fire: 2

Reactivity: 0

**Section 1 - IDENTIFICATION**

Product Name: **#247 Super Citrus Solvent**

Date Prepared: 4-5-04

Chemical Family: Solvent Based Cleaner

Proper D.O.T. Shipping Name: Liquid Cleaning Compound

**Section 2 – INGREDIENTS/IDENTITY INFORMATION**

(Hazardous Ingredients as Defined by OSHA, 29 CFR 1910.1200)

% By Wgt.	Material	P.E.L. Skin	T.L.V. Skin	CAS No.
<25%	2-Butoxyethanol*	25 ppm	25 ppm	111-76-2
<70%	D'Limonene	N/E	N/E	5989-27-5
<10%	Citrus Terpenes	N/E	N/E	

The specific formula of this product is being withheld as a proprietary trade secret.

ITEMS MARKED \* ARE SARA TITLE III SEC 312/313 REPORTABLES. ALL INGREDIENTS ARE ON TSCA INVENTORY.

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT	No Data
SPECIFIC GRAVITY	.912
EVAPORATION RATE (Butyl Acetate =1)	1
SOLUBILITY IN WATER	Insoluble
APPEARANCE AND ODOR	Pink Liquid, Orange Fragrance
pH	N/A

**SECTION 4 - FIRE AND EXPLOSION DATA**

FLASH POINT (TCC): >116° F

FLAMMABLE LIMITS – (@302° F.) (LEL: 0.7% UEL: 6.1%)

EXTINGUISHING MEDIA – CO2 Foam and dry chemical

SPECIAL FIRE FIGHTING PROCEDURES – SCBA recommended. Smother to exclude air. Do not use water. Handle as an oil fire, Class B fire procedures.

Firefighters should wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD – Keep away from heat, sparks, and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

**SECTION 5 - REACTIVITY DATA**

STABILITY – Stable CONDITIONS TO AVOID – Excessive heat

INCOMPATIBILITY (MATERIALS TO AVOID) – Strong oxidizing agents and acidic agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS – Smoke may be acrid and fume irritating. Burning may produce carbon dioxide and/or carbon monoxide

HAZARDOUS POLYMERIZATION – None described

CONDITIONS TO AVOID FOR POLYMERIZATION – Polymerization catalysts such as aluminum chloride and acidic clays

**SECTION 6 - HEALTH HAZARD DATA**

ROUTES OF ENTRY: EYES (X) SKIN (X) INGESTION (X) INHALATION (X)

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: Harmful if swallowed. May be irritating to eyes and skin. Inhalation can cause irritation.

CHRONIC: Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.

CARCINOGENICITY; NTP, IARC MONOGRAPHS, OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE – Eyes: Direct contact will cause irritation. Skin: Prolonged skin contact may cause irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE- None known.

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

SKIN: Flush skin with plenty of soap and water. Contact a physician if irritation occurs.

SWALLOWING: Drink water or milk. Do not induce vomiting. Contact a physician.

INHALATION: If symptoms occur, evacuate to fresh air. If symptoms persist, contact a physician.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED – Absorb spilled material with dirt, sand or other suitable absorbent and sweep up.

WASTE DISPOSAL METHOD – Do not hose spills down drains, sewers, or waterways. Dispose in accordance with all regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – Use precautions for combustible liquids.

**SECTION 8 - CONTROL MEASURES**

RESPIRATORY PROTECTION – Not required with normal usage. VENTILATION – Normal room ventilation.

PROTECTIVE GLOVES – PVC EYE PROTECTION – Chemical splash goggles recommended.

This product is not regulated under CERCLA or RCRA. This product is not reportable under SARA Title III Section 311/312.

N/A = Not Applicable N/A = Not Available N/E = Not Established

Prepared By: Cindy Schroeder, Director of Research