

MATERIAL SAFETY DATA SHEET

Arrow Chemical Products, Inc.
2067 Ste. Anne
Detroit, MI 48216
Telephone: (313)237-0277
Emergency Telephone: (800) 535-5053

<u>Hazard Rating Scale</u>
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**
Chemical Family: Solvent Based Cleaner
Proper D.O.T. Shipping Name: Liquid Cleaning Compound

Date Prepared: 4-5-04

Section 2 – INGREDIENTS/IDENTITY INFORMATION

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

<u>% By Wgt.</u>	<u>Material</u>	<u>P.E.L., Skin</u>	<u>T.L.V., Skin</u>	<u>CAS No.</u>
<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.