



## MATERIAL SAFETY DATA SHEET

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

**PRODUCT IDENTIFICATION**  
UNITED 117

**USE / DESCRIPTION**  
Stainless Steel  
Cleaner and Polish

**REVISION DATE**  
May 10, 2005

**FOR MEDICAL AND  
TRANSPORTATION EMERGENCIES:**  
INFOTRAC: 800-535-5053

**HEALTH (0 = Maximum Safety)** 2  
Always follow Label Directions and Cautions.  
4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.  
**See Health Hazard Data Section of this M.S.D.S.  
for more detailed information.**

**REACTIVITY (0 = Maximum Safety)** 1  
Susceptible to Release of Energy.  
4 May detonate-vacate area if  
Materials are exposed to fire.  
3 Strong shock of heat may  
detonate-use monitors from  
behind explosion resistant  
barriers.  
2 Violent chemical change  
possible-use hose stream  
from distance  
1 Unstable if heated-use  
precaution.  
0 Normally stable.

**FLAMMABILITY (0 = Maximum Safety)** 4  
Susceptibility of Material to Burning.  
4 Extremely flammable. 1 Must be preheated to burn.  
3 Ignites at normal temperature. 0 Will not burn.  
2 Ignites when moderately heated.

**PERSONAL  
PROTECTION**



### HAZARDOUS COMPONENTS IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL TWA	OTHER RECOMMENDED LIMITS	S.A.R.A. TITLE III QUANTITIES
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	Not established	Not established	152 ppm	None	None
Mineral spirits	64742-48-9	177 ppm*	Not established	177 ppm**	None	None
Acetone	67-64-1	500 ppm	750 ppm	1000 ppm	None	0.05*
Methyl Acetate	79-20-9	205 ppm	250 ppm	200 ppm	None	None
Propane	74-98-6	1000 ppm	Not established	1000 ppm	Not established	None

\*Potential significant contribution to the over exposure of this chemical via the skin.

\*\*Exxon Mobil recommendation

### PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b> Not applicable	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 0.748
<b>VAPOR PRESSURE (Psig)</b> 100 @ 130° F.	<b>MELTING POINT</b> Not determined
<b>VAPOR DENSITY (Air = 1)</b> Not determined	<b>EVAPORATION RATE</b> (Ether = 1) Not determined
<b>SOLUBILITY IN WATER</b> Negligible	<b>VOLATILE ORGANIC COMPOUNDS (V.O.C.)</b> (Pounds Per Can Of Product) 0.780
<b>APPEARANCE AND ODOR</b> Clear, colorless aerosol spray with solvent, lemon odor	<b>pH:</b> Not applicable

### FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (Method Used)</b> This product is considered flammable as described in 16 CFR 1500.45	<b>FLAMMABLE LIMITS</b> % Volume In Air	<b>LEL</b> 2.2	<b>UEL</b> 9.5
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**EXTINGUISHING MEDIA**  
CO<sub>2</sub>, foam and/or dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES**  
Keep containers cool with water spray. Use equipment or shielding to protect personnel against bursting, rupturing or venting containers.

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

At elevated temperatures (over 54°C/130°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

## REACTIVITY DATA

STABILITY: STABLE  UNSTABLE  CONDITIONS TO AVOID  
Temperatures above 130°F/54°C. Dropping of containers may cause bursting.

### INCOMPATIBILITY (Materials To Avoid)

Avoid temperatures greater than 120°F. (49°C) and strong oxidizers.

### HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon monoxide, carbon dioxide and additional toxic chemicals may be formed in small amounts.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR   
MAY OCCUR

CONDITIONS TO AVOID  
None known

## HEALTH HAZARD DATA

### HEALTH HAZARDS

EYES: May cause severe irritation. SKIN: Prolonged or repeated skin contact can result in mild irritation.

INHALATION: High vapor concentrations may result in central nervous system depression evidenced by headache, and nausea.

IF SWALLOWED: May cause upset stomach and may be fatal. Aspiration into lungs during vomiting may cause chemical pneumonitis.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? No

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation SKIN: Irritation, dryness INHALATION: May cause headache and nausea IF SWALLOWED: Upset stomach, vomiting

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Pre-existing skin or eye disorders may be aggravated by exposure to this product

### TARGET ORGANS

Eyes, skin and central nervous system

### EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of water for 15 minutes while holding eyelids open. Call a physician or poison center. SKIN: Remove contaminated clothing. Wash with soap and water.

If irritation persists, call a physician or poison center. INHALATION: Remove patient to fresh air immediately. If patient is not breathing, apply CPR as needed.

Call a physician or poison center immediately. IF SWALLOWED: DO NOT induce vomiting. Call a physician or poison center immediately.

## PRECAUTIONS FOR SAFE HANDLING AND USE

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition and ventilate area. Use non-combustible absorbent material like clay or mineral sorbents and place in a suitable container for disposal.

### WASTE DISPOSAL METHOD

Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled.

Consult local, state, and federal authorities for proper disposal guidelines.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid breathing vapors. Store in a cool (<130°F/54°C), well-ventilated area, away from sources of ignition. Store as NFPA 30 B Level 3 Aerosol.

## CONTROL MEASURES

### FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

#### RESPIRATORY PROTECTION (Specify Type)

If TLV is exceeded, use a NIOSH approved respirator.

VENTILATION: MECHANICAL (General)

Provide adequate ventilation

LOCAL EXHAUST

Generally adequate

#### PROTECTIVE GLOVES

Chemical resistant gloves

#### EYE PROTECTION

Chemical safety glasses

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impervious clothing to prevent skin contact

#### WORK HYGENIC PRACTICES

Remove contaminated clothing immediately and launder thoroughly with soap and water before re-using. Wash hands and face with soap and water after using this product.