



## MATERIAL SAFETY DATA SHEET

Page 1 of 4

APPROVED BY U S DEPT OF LABOR, ESSENTIALLY SIMILAR TO FORM OSHA174

SUPERIOR SOLVENTS AND CHEMICALS  
400 West Regent Street  
Indianapolis, Indiana 46225  
EMERGENCY PHONE NUMBER: 317-781-4400

CHEMICAL NAME & SYNONYMS: SOLVENT BLEND      TRADE NAME: #0402 Fast Dry Acrylic  
Lacquer Thinner

## I. PHYSICAL DATA

BOILING POINT (°F): 133  
SPECIFIC GRAVITY (Water = 1): 0.825  
POUNDS / GALLON: 6.91  
VAPOR PRESSURE (mm Hg @ 20°C): 85.227  
VAPOR DENSITY (Air = 1): > 1  
SOLUBILITY IN WATER (%): 50.270  
DRY TIME (Ether = 1): > 1  
% VOLATILE BY VOLUME: 100.  
APPEARANCE: Water white liquid  
ODOR: Typical solvent

## II. HAZARDOUS INGREDIENTS

MATERIALS:	CAS #	VOL (%)	ACGIH TWA (ppm)	OSHA TWA (ppm)
TOLUENE	108-88-3	> 29	50	100
ACETONE	67-64-1	> 29	750	750
METHANOL	67-56-1	> 9	200	200
METHYL ISOBUTYL KETONE	108-10-1	> 4	50	50
BUTYL ACETATE	123-86-4	> .9	150	150
ISOBUTANOL	78-83-1	> .9	50	50
XYLENE	1330-20-7	> .9	100	100

## III. FIRE &amp; EXPLOSION HAZARD DATA

LOWER EXPLOSIVE LIMIT IN AIR (% by vol): 1.1  
UPPER EXPLOSIVE LIMIT IN AIR (% by vol): 36.5  
FLASH POINT (T.C.C. deg F): 2 (lowest flashing component)

EXTINGUISHING MEDIA      Carbon Dioxide, Alcohol Foam, or Dry Chemical

SPECIAL FIRE  
FIGHTING PROCEDURES      S.C.B.A. for fire fighting in enclosed areas.  
Water spray may be used to cool exposed containers  
and protect personnel. In advanced fires, maintain  
a safe distance from sealed containers.

UNUSUAL EXPLOSION  
AND FIRE PROCEDURES      EXTREMELY FLAMMABLE! Vapors are heavier than air  
and may travel long distances to an ignition source  
and "flash back." Vapors will burn in the open and  
may explode if confined. Keep ignition sources  
away during use and until all vapors are gone.

TRADE NAME: #0402 Fast Dry Acrylic Lacquer Thinner

Page 2 of 4

IV. HEALTH HAZARD DATA  
-----

ROUTES OF ENTRY:      INHALATION - YES      SKIN - YES      INGESTION - YES

EFFECTS OF ACUTE OVEREXPOSURE:      Material is an eye and skin irritant. Excessive vapor inhalation will lead to central nervous system depression. Harmful or fatal if swallowed.

CHRONIC OVEREXPOSURE:      Material may defat the skin on repeated exposure leading to dermatitis. Studies have shown that chronic overexposure may lead to damage to the liver and/or kidneys.

CARCINOGENICITY:      NTP: NO      IARC: NO      OSHA: NO

-THIS BLEND CONTAINS NO LISTED CARCINOGENS-

SIGNS & SYMPTOMS OF EXPOSURE:      The signs of central nervous system depression begin with headache, dizziness and apparent intoxication, and progress through loss of consciousness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:      Skin contact can aggravate existing dermatitis.

EMERGENCY & FIRST AID PROCEDURE:

    EYE CONTACT - rinse with water for 15 minutes. If irritation persists call a physician.

    SKIN CONTACT - wash with plenty of soap and water. Wash contaminated clothing before reuse.

    EXCESSIVE VAPOR INHALATION - remove victim to fresh air and restore breathing if necessary. Call a physician if there are signs of breathing difficulties.

    IF SWALLOWED - POISONOUS - Call a physician IMMEDIATELY! Give water and induce vomiting by sticking finger down throat. Never give anything by mouth to an unconscious person.

TRADE NAME: #0402 Fast Dry Acrylic Lacquer Thinner

Page 3 of 4

**V. REACTIVITY DATA**  
-----

STABILITY: STABLE: X UNSTABLE:  
CONDITIONS TO AVOID: Isolate from heat, sparks, and open flames.  
INCOMPATIBILITY: Strong oxidizers.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon (CO, CO<sub>2</sub>)  
HAZARDOUS POLYMERIZATION: Will not occur.

**VI. PRECAUTIONS FOR SAFE HANDLING & USE**  
-----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Stop spill at the source, dike the area and contain the flow, mop up or absorb, and place in suitable container. Notify proper authorities if an RQ is involved.  
WASTE DISPOSAL METHOD: As directed by local and federal pollution laws.  
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Avoid free fall of liquid, ground containers when pouring. Store and use below 120 F and away from direct heat and open flame.

**VII. CONTROL MEASURES**  
-----

RESPIRATORY PROTECTION: Organic cartridge type respirator if ventilation or other mechanical means cannot keep air below TLV.  
VENTILATION: Local exhaust is preferable, but any mechanical means that will keep vapors below limits is acceptable.  
PROTECTIVE GLOVES: Recommended - must not dissolve in solvents.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical goggles and apron are recommended if splashing is possible. An eye wash and safety shower should be available.  
WORK/HYGIENIC PRACTICES: Avoid breathing vapor or spray mist. Wash hands thoroughly after contact and before breaks or meals.



TRADE NAME: #0402 Fast Dry Acrylic Lacquer Thinner

Page 4 of 4

VIII. LISTED MATERIALS

As per the requirements of 40 CFR 372.45, the following components of this blend are listed in Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986.

MATERIAL	CAS #	MAXIMUM % BY WT
TOLUENE	108-88-3	50
METHANOL	67-56-1	20
METHYL ISOBUTYL KETONE	108-10-1	10
XYLENE	1330-20-7	10

Xylene contains mixed xylenes and 15% ethyl benzene.

The act also requires that this notice accompany the MSDS in all redistributions and not be detached or omitted from future copies.

Legal responsibility is assumed only for the fact that all studies reported here & all opinions are those of qualified experts. Buyer assumes all risks and liabilities. The buyer accepts and uses this material on these conditions.

Print Date: 01/26/2000  
Last Revision: 07/01/1999