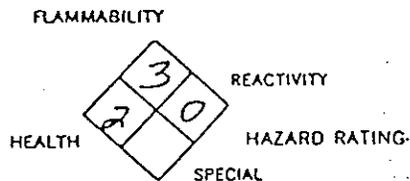


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MATERIAL SAFETY DATA SHEET

APPROVED BY US DEPARTMENT OF LABOR, ESSENTIALLY SIMILAR TO FORM OSHA 20

BARTON SOLVENTS, INC.  
CORPORATE OFFICE  
P. O. BOX 221  
DES MOINES, IOWA 50301  
(515)265-7998



CHEMICAL NAME & SYNONYMS: Solvent  
CHEMICAL FAMILY: N/A  
FORMULA: N/A

TRADE NAME: Barsol A-1003

I. PHYSICAL DATA

BOILING RANGE: 77 104 130 °C / 170 220 266 °F  
 SPECIFIC GRAVITY (WATER=1): 0.814  
 POUNDS/GALLON: 6.781  
 VAPOR PRESSURE(mm of Hg)@20°C: 26.1  
 VAPOR DENSITY(air=1): 3.4  
 SOLUBILITY IN WATER: Appreciable  
 SOLUBILITY IN ACID(85% H<sub>2</sub>SO<sub>4</sub>): Appreciable  
 DRY TIME(Ether=1.0): 4.7  
 VOLATILE BY VOL: 100  
 APPEARANCE: Clear, Water-White  
 ODR: Ketone

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS #	VOL(%)	TLV(ppm)
Toluene	108-88-3	>9	100
Light Aliphatic Solvent Naphtha	64742-89-8	>9	250
Methyl Isobutyl Ketone	108-10-1	>9	50
Isopropanol (Anh)	67-63-0	>9	400
Xylol	1330-20-7	>4	100
Methyl Ethyl Ketone	78-93-3	>4	200

III. FIRE & EXPLOSION HAZARD DATA

LOWER FLAMMABLE LIMIT IN AIR(% BY VOL): 1.6  
 FLASH POINT(TEST METHOD): -4 °C / 25 °F (TCC)  
 FLAMMABILITY CLASSIFICATION: Class I B  
 EXTINGUISHING : NFPA Class B extinguishers (CO<sub>2</sub> or foam)  
 MEDIA : for Class I B liquid fires.  
 SPECIAL : Water spray may be ineffective on fire but  
 FIRE : can protect fire fighters & cool closed  
 FIGHTING : containers. Use fog nozzles if water is  
 PROCEDURES : used. Use air-supplied breathing masks.  
 UNUSUAL : FLAMMABLE !! Keep container tightly closed.  
 EXPLOSION : Isolate from oxidizers, heat, sparks, electric equipment & open flame.  
 AND : Closed containers may explode if exposed  
 FIRE : to extreme heat. Applying to hot surfaces  
 PROCEDURES : requires special precautions.

*Construction  
office*

#### IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 115 ppm (Evaporated blend)  
EFFECT OF : INHALING: Anesthetic. Irritates respiratory tract.  
ACUTE : May cause serious nervous system depression.  
OVER :  
EXPOSURE : SKIN OR EYE CONTACT: Primary irritation.  
EFFECTS OF : Vapor harmful. Breathing of vapor may cause irritation.  
SWALLOW- : Harmful or fatal if swallowed.  
ING AND : Liquid causes eye irritation.  
CHRONIC : Liquid may cause skin irritation.  
OVER- :  
EXPOSURE :  
EMERGENCY & : In case of contact with skin, flush with plenty of water. For eyes,  
FIRST AID : flush with plenty of water for 15 minutes & get medical attention.  
PROCEDURES : If exposed to high concentration of vapor, remove to fresh air.  
: If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting.

#### V. REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: Isolate from heat, sparks, electric equipment & open flame.  
MATERIALS TO AVOID: Isolate from strong oxidizers such as permanganate.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from burning.

#### VI. SPILL & WASTE PROCEDURES

SPILL OR LEAK : Isolate from oxidizes, heat, sparks, electric equipment & open flame.  
PROCEDURES : Mop up & dispose of.  
WASTE DISPOSAL : Recycle or incinerate observing local, state & Federal health,  
METHOD : safety and pollution laws.

#### VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION(SPECIFY TYPE): If above TLV, use self-contained air pack.  
VENTILATION: LOCAL EXHAUST: Preferable MECHANICAL(GENERAL): Acceptable  
SPECIAL: None OTHER: None  
PROTECTIVE GLOVES: Recommended (Must not dissolve in solvents)  
EYE GOGGLES: Required  
OTHER PROTECTIVE EQUIPMENT: None

#### II. SPECIAL PROTECTIONS

Do not store above 49°C/120°F. Store large amounts in structures made for OSHA Class I B liquids. Avoid free fall of liquid. Ground containers when pouring. Do not flame cut, saw, braze or weld. Empty container hazardous! Continue all label precautions!

DATE: 8 / 85

*11/85*

Legal responsibility is assumed only for the fact that all studies reported here & all opinions are those of qualified experts. Buyer assumes all risk & liability. He accepts & uses this material on these conditions.