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ACGIH TLV/STEL: 400 ppm - STEL  
OSHA PEL/TWA: 400 ppm - TWA  
OSHA STEL: 500 ppm  
LC50: Rat (8 Hrs) - > 12,000 ppm  
LD50: Oral (Rat) - 5000 mg/kg

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## 5 METHANOL

CAS# 67-56-1

METHYL ALCOHOL

PCT BY WT: 3.2120 VAPOR PRESSURE: 98.000 MMHG @ 68F

## EXPOSURE LIMIT:

ACGIH TLV/TWA: 200 ppm - TWA (Skin)  
ACGIH TLV/STEL: 250 ppm - STEL (Skin)  
OSHA PEL/TWA: 200 ppm - TWA  
OSHA STEL: 250 ppm - STEL(Skin)  
LC50: Inhalation (Rat) - 64,000 ppm/4H  
LD50: Oral (Rat) - 5628 mg/kg

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## 6 2-PENTANONE, 4-METHYL

CAS# 108-10-1

METHYL ISOBUTYL KETONE

PCT BY WT: 4.5250 VAPOR PRESSURE: 16.000 MMHG @ 68F

## EXPOSURE LIMIT:

ACGIH TLV/TWA: 50 ppm - TWA  
ACGIH TLV/STEL: 75 ppm - STEL  
OSHA PEL/TWA: 100 ppm - TWA  
OSHA STEL: 75 ppm  
LC50: Inhalation (Rat): 2000-4000 ppm/4H  
LD50: Oral (Rat)- 2080 mg/kg

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## 7 n-BUTYL ACETATE

CAS# 123-86-4

ACETIC ACID BUTYL ESTER

PCT BY WT: 15 - 20 VAPOR PRESSURE: 15.000 MMHG @ 68F

## EXPOSURE LIMIT:

ACGIH TLV/TWA: TWA 150 ppm  
ACGIH TLV/STEL: STEL 200 ppm  
OSHA PEL/TWA: TWA 150 ppm  
OSHA STEL: 200 ppm  
LC50: Inhalation (Rat) - > 1800 ppm/6 Hrs  
LD50: Oral (Rat)- 14,130 mg/kg

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## 8 ACETONE

CAS# 67-64-1

2-PROPANONE

PCT BY WT: .5 - 5 VAPOR PRESSURE: 185.000 MMHG @ 68F

## EXPOSURE LIMIT:

ACGIH TLV/TWA: TWA 500 ppm  
ACGIH TLV/STEL: STEL 750 ppm  
OSHA PEL/TWA: TWA 750 ppm  
OSHA STEL: 1000 ppm  
LC50: Inhalation (Rat)- >16,000 ppm/4Hrs  
LD50: Oral (Rat): 6715 - 8453 mg/kg  
CA PROPOSITION 65: No

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## 9 ISOBUTYL ALCOHOL

CAS# 78-83-1

2-METHYL-1-PROPANOL

PCT BY WT: .5 - 5 VAPOR PRESSURE: 8.800 MMHG @ 68F  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 50 ppm - TWA  
 OSHA PEL/TWA: 100 ppm - TWA  
 LC50: Inhalation (Rat)- >8000 ppm/4 Hour (s)  
 LD50: Oral (Rat): 2.5-6.4 g/kg

10 ISOBUTYL ISOBUTYRATE  
 CAS# 97-85-8  
 2-METHYLPROPYL 2-METHYLPROPANOATE  
 PCT BY WT: .5 - 5 VAPOR PRESSURE: 3.000 MMHG @ 68F  
 EXPOSURE LIMIT:  
 LC50: Inhalation, Rat: 5000 ppm/6H  
 LD50: Oral (Rat): 6400 - 12800 mg/kg

11  
 CAS# 141-78-6  
 ETHYL ACETATE  
 PCT BY WT: 5 - 10 VAPOR PRESSURE: 93.000 MMHG @ 68F  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 400 ppm - TWA  
 OSHA PEL/TWA: 400 ppm - TWA  
 LC50: Inhalation (Rat) - 1600 ppm/8H  
 LD50: Oral (Rat) - >5620 mg/kg

12  
 CAS# 100-41-4  
 ETHYLBENZENE  
 PCT BY WT: 4.1810 VAPOR PRESSURE: 7.000 MMHG @ 68F  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: TWA 100 ppm  
 ACGIH TLV/STEL: STEL 25 ppm  
 OSHA PEL/TWA: TWA 100 ppm  
 OSHA STEL: 125 ppm  
 LD50: Oral, Rat - 3500 mg/kg  
 CA PROPOSITION 65: Yes

\*\*\*\*\*  
 This product contains one or more reported carcinogens or suspected  
 carcinogens which are noted in Section 3, Hazards Identification,  
 CARCINOGENICITY.  
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\*\*\*\*\*  
 This product contains one or more Hazardous Air Pollutants.  
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\*\*\*\*\*  
 This product contains one or more reported or suspected reproductive  
 toxins.  
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SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye damage and pain.  
 SKIN: May irritate skin.  
 INHALATION: Anesthetic. Nervous system depression characterized by  
 the following progressive steps: headache, dizziness,  
 staggering gait, confusion, unconsciousness or coma.

May irritate nose, throat and respiratory tissue.  
INGESTION: Swallowing small amounts of this product during normal handling is not likely to cause harmful effects, but swallowing large amounts may be harmful.

**CHRONIC EFFECTS**

NOTICE: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause respiratory and/or skin sensitization.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Any pre-existing respiratory or eye/skin conditions.

**POSSIBLE ROUTES OF ENTRY**

Inhalation, ingestion, skin absorption.

**CARCINOGENICITY**

Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. IARC has classified ethylbenzene as a possible human carcinogen, Group 2B.

**CARCINOGENICITY:**

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**SECTION 4 - FIRST AID MEASURES**

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**EMERGENCY FIRST AID:**

EYE CONTACT: Flush at once with large amounts of lukewarm water for at least 15 minutes and get medical attention.

SKIN CONTACT: Remove from skin with soap and water. Remove drenched clothing. If irritation persists, consult a physician.

INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. If necessary, restore breathing; in this case contact physician at once.

INGESTION: If victim is conscious, give 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center at once.

**NOTE TO PHYSICIAN:**

Not Applicable.

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**SECTION 5 - FIRE FIGHTING MEASURES**

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**FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:**

Flammability Classification . . . . . : Class 1B  
Flashpoint . . . . . : 10.0 °F  
Explosion Level . . . . . : Low - .9  
High - 36.0

**EXTINGUISHING MEDIA**

Use National Fire Protection Association (NFPA) Class B extinguisher (carbon dioxide, dry chemical or foam) designed to extinguish NFPA Class 1B flammable liquid fires.

**FIRE-FIGHTING PROCEDURES AND EQUIPMENT**

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. Water may be ineffective in extinguishing a paint fire. Therefore, use caution not to spread flames with stream of water. If water is used, fog nozzles are preferable.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Vapors may be heavier than air and

may travel along the ground to distant ignition sources, then flash back to the vapor source. Keep welding or cutting equipment away from product. Containers may explode when exposed to extreme heat.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Remove all sources of ignition (flame, hot surfaces and sources of electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. For large spills in a confined area, use self-contained non-sparking tools. Keep out of drains, sewers and waterways.

##### CLEAN-UP

Contain and remove with inert absorbent and non-sparking tools.

#### SECTION 7 - HANDLING AND STORAGE

##### HANDLING

Keep away from heat, sparks and open flame. Use only with adequate ventilation. Keep from contact with oxidizing materials. Comply with all national, state, and local codes pertaining to the storage, handling dispensing and disposal of flammable liquids.

##### STORAGE

Do not store above 120 Degrees F. Close container after each use.

##### SPECIAL COMMENTS

Do not take internally. Wash with soap and water before eating, drinking, smoking or using toilet.

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

##### VENTILATION

Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of the most hazardous ingredient in Section 2, below acceptable limit, and LEL in Section 5 below stated limit, during application of this product, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

##### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH for protection against chemicals in Sections (2 &/or 15).

##### EYE PROTECTION

Use safety eyewear with splashguards and side shields.

##### SKIN PROTECTION

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State . . . . .	:	LIQUID	
Vapor Pressure . . . . .	:	185.00	
Vapor Density . . . . .	:	10.80	
Boiling Point Range . . . . .	:	Lower - 133.0	øF
		Higher - 285.0	øF
Specific Gravity . . . . .	:	.933	
Weight per Volume . . . . .	:	7.7678	LB/GL
VOC - Total (lb/gal). . . . .	:	5.663	
Evaporation Rate . . . . .	:	14.400	(n-Butyl Acetate = 1)
Volatile by Weight . . . . .	:	73.2669	
Volatile by Volume . . . . .	:	81.1078	

## SECTION 10 - STABILITY AND REACTIVITY

## STABILITY

This product is stable.

## INCOMPATIBILITIES (Materials to Avoid)

This product can react violently with strong oxidizing agents such as chlorine, oxygen, or strong oxidizing acids, such as, nitric and sulfuric.

## HAZARDOUS POLYMERIZATION

Will not occur.

## CONDITIONS TO AVOID

High temperatures.

## HAZARDOUS PRODUCTS OF DECOMPOSITION

Heating to decomposition, as in a fire or welding, may produce hazardous fumes. Fumes may contain carbon monoxide, carbon dioxide and oxides of nitrogen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

No data at this time.

## SECTION 12 - ECOLOGICAL INFORMATION

No data at this time.

## SECTION 13 - DISPOSAL CONSIDERATIONS

## WASTE DISPOSAL

Dispose of this product in accordance with applicable local, county, state and federal regulations, by incinerating, or treating and disposing in approved facility. Do not incinerate closed containers.

## SECTION 14 - TRANSPORT INFORMATION

DOT HAZARD CLASS . . . . . : 3  
DOT PACKAGING GROUP . . . . . : PG II  
DOT LABEL . . . . . : FLAMMABLE LIQUID  
DOT SHIPPING NAME . . . . . : PAINT  
DOT PLACARD . . . . . : FLAMMABLE LIQUID  
UN/NA NUMBER . . . . . : UN1263

## SECTION 15 - REGULATORY INFORMATION

## U.S. FEDERAL REGULATORY INFORMATION

## TSCA SECTION 8(b) - INVENTORY STATUS:

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA Regulations.

## SARA 313 TOXIC CHEMICALS:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

## XYLENE (MIXED ISOMERS)

CAS# 1330-20-7 PCT BY WT: 16.7240

## TOLUENE

CAS# 108-88-3 PCT BY WT: 1.2730

METHYL ALCOHOL

CAS# 67-56-1 PCT BY WT: 3.2120

METHYL ISOBUTYL KETONE

CAS# 108-10-1 PCT BY WT: 4.5250

ETHYLBENZENE

CAS# 100-41-4 PCT BY WT: 4.1810

SECTION 16 - OTHER INFORMATION

Prepared by . . . . . : INSL-X PRODUCTS CORP.
Date of issue . . . . . : 06/04/2007
Last Revision Date . . . . . : NONE

MSDS Prepared for . . . . . :
MSDS Last Prepared . . . . . : NONE
HMIS Rating: Health- 2 Flammability- 3
Reactivity- 0

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This Material Safety Data Sheet conforms to the Hazard Communication Standard, 29 CFR 1910.1200(g)(4).

The above information pertains to this product as currently formulated and is based on the information available, as of this date. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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Abbreviations used: int.- interior; ext.- exterior; MSDS - Material Safety Data Sheet; HMIS - Hazardous Materials Information System; CAS - Chemical Abstracts Services; pct - percent; wt - weight; mm Hg - millimeters of mercury; F - Fahrenheit; ACGIH - American Conference of Governmental Industrial Hygienists; TLV - Threshold Limit Value; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; TWA - Time-Weighted Average; STEL- Short Term Exposure Limit; N/A- Not applicable IARC - International Agency for Research on Cancer; NE - Not established NTP - National Toxicological Program; CFR - Code of Federal Regulations; OSHA - Z 29CFR 1910, Subpart Z; VOC - Volatile Organic Compounds; TCC - Tag Closed Cup; LEL - Lower Explosive Limit; Mg/m3 or Mg/Cu M - milligram per cubic meter; mppcf - millions of particles per cubic foot; ppm - parts per million; NIOSH - National Institute of Occupational Safety and Health; MSHA - Mine Safety and Health Administration; CNS - Central Nervous System.