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CAS# 64-17-5

ETHYL ALCOHOL

PCT BY WT: 50 - 75 VAPOR PRESSURE: 57.000 MMHG @ 68F

EXPOSURE LIMIT:

ACGIH TLV/TWA: TWA 1000 ppm

OSHA PEL/TWA: TWA 1000 ppm

LD50: Oral (Rat) - 7060 mg/kg

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This product contains one or more Hazardous Air Pollutants.

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This product contains no reported carcinogens or suspected carcinogens according to the information provided in Section 3 of this MSDS.

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This product contains pigments, which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

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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.

HEALTH HAZARDS SPECIFIC TO PRODUCT COMPONENTS:

EFFECTS OF CHRONIC OVEREXPOSURE TO:

TOLUENE: Intentional abuse, misuse or other massive exposure to toluene may cause multiple organ (liver, kidney, brain cell) damage and/or death. Comparable central nervous system effects have not been shown to result from occupational exposure to toluene. Prolonged intentional toluene abuse may lead to hearing loss progressing to deafness. Toluene may be harmful to the human fetus based on positive test results with laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Any pre-existing respiratory or eye/skin conditions.

POSSIBLE ROUTES OF ENTRY

Inhalation, ingestion, skin absorption.

CARCINOGENICITY

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

SECTION 4 - FIRST AID MEASURES

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.

#### SECTION 5 - FIRE FIGHTING MEASURES

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

Flammability Classification . . . . . : OSHA Flammable Liquid - Class 1B  
Flashpoint . . . . . : 45.0 °F  
Explosion Level . . . . . : Low - 1.0  
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 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.

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**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.

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

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**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.

**OTHER PROTECTIVE EQUIPMENT**

None required.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State . . . . .	:	LIQUID	
Vapor Pressure . . . . .	:	57.00	
Vapor Density . . . . .	:	5.00	
Boiling Point Range . . . . .	:	Lower - 167.0	øF
		Higher - 374.0	øF
Specific Gravity . . . . .	:	.827	
Weight per Volume . . . . .	:	6.8883	LB/GL
VOC - Total (lb/gal). . . . .	:	6.740	
Evaporation Rate . . . . .	:	2.750	(n-Butyl Acetate = 1)
Volatile by Weight . . . . .	:	97.8538	
Volatile by Volume . . . . .	:	98.5207	

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**SECTION 10 - STABILITY AND REACTIVITY**

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**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:

ORGANIC CHROME COMPLEX DYE

CAS# PROPRIETARY PCT BY WT: 2.1460

TOLUENE

CAS# 108-88-3 PCT BY WT: 17.9710

SECTION 16 - OTHER INFORMATION

Prepared by . . . . . : INSL-X PRODUCTS CORP.
Date of issue . . . . . : 09/20/2007
Last Revision Date . . . . . : 09/18/2007

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.