

MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY: THINNER BLEND - ALL PURPOSE

COMPANY IDENTITY: SOLVENTS & CHEMICALS, INC.

COMPANY ADDRESS: 4704 SHANK ROAD

COMPANY CITY: PEARLAND, TX 77588-0490

COMPANY PHONE: 1-281-485-5377

CHEMTREC PHONE: 1-800-424-9300

HAZARD RATINGS:

HEALTH (NFPA): 2

HEALTH (HMIS): 1

FLAMMABILITY: 3

REACTIVITY: 0

TRAPA3

SECTION 2. INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ(LBS)
*Hexane	110-54-3	<60 (311,312,313)	5000
*Toluene	108-88-3	<40 (311,312,313,RCRA)	1000
Acetone	67-64-1	Not Appl. (311,312)	5000
*n-Hexane	110-54-3	<20 (311,312,313,RCRA)	None

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Hexane	110-54-3	500 ppm	50 ppm	Yes
Toluene	108-88-3	200 ppm	50 ppm	Yes
Acetone	67-64-1	1000 ppm	750 ppm	No
n-Hexane	110-54-3	50 ppm	50 ppm	No

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):

Benzene, Mixed Xylenes, Ethylbenzene

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Hexane	110-54-3	None Known	1000 ppm
Acetone	67-64-1	None Known	1000 ppm

COMPANY IDENTITY: SOLVENTS & CHEMICALS, INC.

DATE: 05/12/97

PRODUCT IDENTITY: THINNER BLEND - ALL PURPOSE

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**SECTION 2. INGREDIENT & REGULATORY INFORMATION (CONTINUED)**

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer & reproductive toxicity:

Benzene, Toluene

IF > 3091 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG-II

DRUM LABEL: (FLAMMABLE LIQUID)

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MATERIAL

**SECTION 3. HAZARDS IDENTIFICATION**

CAS #      LOWEST KNOWN LETHAL DOSE DATA  
                    LOWEST KNOWN LD50 (ORAL)

Toluene                      108-88-3      3000.0 mg/kg (Rats)

                    LOWEST KNOWN LC50 (VAPORS)

Toluene                      108-88-3      5300 ppm (Mice)

                    LOWEST KNOWN LD50 (SKIN)

Toluene                      108-88-3      4000.0 mg/kg (Rabbits)

THRESHOLD LIMIT VALUE:      65 ppm (Evaporated Blend)

**DANGER!!**

**EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE**

**ACUTE HAZARDS**

**EYE & SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye irritation. Wash thoroughly after handling.

**INHALATION:**

Anesthetic. Irritates respiratory tract. Acute overexposure

can cause serious nervous system depression. Vapor harmful.

Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

**SWALLOWING:**

Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**

**CONDITIONS AGGRAVATED**

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

n-Hexane may cause peripheral neuropathy.  
This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.  
This product may contain less than 146 ppm of Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

SECTION 4. FIRST AID MEASURES PROCEDURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes.)

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm.. Vomiting may lead to pneumonitis, which may be fatal.

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SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE : 321 C / 610 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.5

FLASH POINT (TEST METHOD): -26 C / -16 F (TCC)(10% Evap)

FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA

NFPA Class B extinguishers(Carbon Dioxide or foam)for Class I B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class I B liquids. Keep container tightly closed & upright when not in use to prevent leakage.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE CONTROLS

Ventilate to keep vapors of this material below 35 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

- LOCAL EXHAUST : Necessary
- MECHANICAL (GENERAL) : Acceptable
- SPECIAL : None
- OTHER : None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE : Liquid, Water-White  
ODOR : Ketone  
BOILING RANGE : 56 72 111 C / 133 162 232 F  
GRAVITY @ 60 F :  
API : 56.4  
SPECIFIC GRAVITY (Water=1) : .753  
POUNDS/GALLON : 6.272  
VOC'S (>0.44 Lbs/Sq In) : 100.0 Vol. % / 753.3 g/L / 6.275 Lbs/Gal  
TOTAL VOC'S (TVOC) : 100.0 Vol. % / 753.0 g/L / 6.272 Lbs/Gal  
NONEXEMPT VOC'S (CVOC) : 83.0 Vol. % / 618.7 g/L / 5.153 Lbs/Gal  
VAPOR PRESSURE (mm of Hg)@20 C 122.9  
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 76.6  
VAPOR DENSITY (air=1) : 2.8  
WATER ABSORPTION : Appreciable  
SOLVENCY PARAMETERS:  
HKB (Hydrogen Bonding) : 19.1  
PKB (Polarity) : 36.3  
DKB (Dispersion) : 44.6  
REFRACTIVE INDEX : 1.410

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SECTION 10. REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

