

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: #1780 Specialty Adhesive Remover
 Date Printed: October 19, 2009
 Product Use/Class: Adhesive Remover

Supplier: International Epoxies & Sealers
 30241 Commerce Drive
 San Antonio, FL 33576
 Information Phone: 1-800-451-7206

Emergency Telephone: INFOTRAC 1-800-535-5053
 Outside the U.S. Call collect: 1-352-323-3500

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS # [Euro EC #]	%
Medium Aliphatic Solvent Naphtha	(*64742-88-7)	55-65%
Acetone	(67-64-1) [200-662-2]	25-35%
Toluene	(108-88-3) [203-625-9]	0-10%

Number in parentheses is CAS #, number in brackets is European EC #. This product has a mixture of n- and iso- paraffins, aromatic hydrocarbons, & naphthenes. Depending on the raw material & production processes, the composition & physical properties of this solvent can vary considerably. The contents of benzene is much less than 0.1% by volume.

3. HAZARDOUS IDENTIFICATION

EXPOSURE PREVENTION: STRICT HYGIENE!
 AVOID EXPOSURE OF (PREGNANT) WOMEN!

RISK STATEMENTS:

- R36/37/38 Irritating to eyes, respiratory system and skin.
- R48 Harmful: danger of serious damage to health by prolonged exposure.
- R20/65 Harmful by inhalation, may cause lung damage if swallowed.
- R12/13 Extremely Flammable! Serious static electricity fire hazard!
- R63 Possible risk of harm to the unborn child.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapors may cause drowsiness and dizziness.

SAFETY STATEMENTS:

- S36/37 Wear suitable protective clothing and gloves.
- S2 Keep out of the reach of children.
- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition. No smoking.
- S23 Do not breathe gas, fumes, vapor, or spray.
- S24 Avoid contact with skin.
- S46 If swallowed, seek medical advice immediately, and show this container or label.
- S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

4. FIRST AID MEASURES

- 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.
- Inhalation: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).
- Ingestion: Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

5. FIRE FIGHTING MEASURES

- Fire & Explosion Preventive Measures:
 NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting. Do NOT use compressed air for filling, discharging, or handling.
- Extinguishing Media:
 Use dry powder, AFFF, foam, carbon dioxide.

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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!

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: **EVACUATE DANGER AREA!** Consult an expert! Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources. Use self-contained breathing apparatus.

Containment & Clean-up Measures: Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place. Do NOT wash away into sewer. Do NOT let this chemical enter the environment.

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. Keep in fireproof surroundings. Keep separated from strong oxidants. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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

Ventilation: LOCAL EXHAUST : Necessary. MECHANICAL (GENERAL) : Acceptable. SPECIAL : None. OTHER : None
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Respiratory Protection: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Work & Hygienic Practices: Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Water-White
Odor:	Ketone
Boiling Range:	67 134 198 C / 153 274 390 F
Auto Ignition Temperature:	276 C / 530 F (Lowest Component)
Lower Flammable Limit In Air (% By Vol):	1.5
Flash Point (Test Method):	-16 C / 2 F (TCC) (Lowest Component)
Flammability Classification:	Class I B
Gravity @ 68/68 F / 20/20 C:	
API:	48.3
Specific Gravity (Water=1):	0.764
Pounds/Gallon:	6.36
VOC's (>0.44 Lbs/Sq In):	38.0 Vol. % / 299.0 G/L / 2.490 Lbs/Gal
Total VOC's (TVOC):	100.0 Vol. % / 786.9 G/L / 6.555 Lbs/Gal
Nonexempt VOC's (CVOC):	70.0 Vol. % / 550.9 G/L / 4.588 Lbs/Gal
Hazardous Air Pollutants (HAPS):	8.0 Wt. % / 63.0 G/L / 0.524 Lbs/Gal
Vapor Pressure (Mm Of Hg)@20 C:	95.1
Nonexempt Voc Partial Pressure (Mm Of Hg @ 20 C):	2.3
Vapor Density (Air=1):	3.3
Water Absorption:	Appreciable
Refractive Index:	1.414
Mixed Aniline Point (Acid Insol):	61 C / 142 F

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide from burning.
 Conditions To Avoid: Isolate from oxidizers, heat, sparks, electric equipment & open flame.
 Materials To Avoid: Reacts violently with strong oxidants, causing fire & explosion hazard.
 Attacks many plastics, coatings.

11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Medium Aliphatic Solvent Naphtha	*64742-88-7	500 ppm	100 ppm	No
Acetone	67-64-1	1000 ppm	500 ppm A4	No
Toluene	108-88-3	200 ppm	50 ppm A4	Yes

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

Acetone	67-64-1	None Known	750 ppm
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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 harm to kidneys, blood, nerves, liver, lungs. Use of alcoholic beverages enhances the harmful effect.
 Swallowing: Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

Subchronic Hazards/Conditions Aggravated

Conditions Aggravated: Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs. Persons with severe skin, liver or kidney problems should avoid use.

Chronic Hazards

Cancer, Reproductive & Other Chronic Hazards: Pregnant women should avoid use. May cause birth defects. Leukemia been reported in humans from Benzene. This product contains less than 24 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. Depending on degree of exposure, periodic medical examination is indicated.

12. ECOLOGICAL INFORMATION

Mammalian Information:

Material	Cas #	Lowest Known Lethal Dose Data Lowest Known LD50 (Oral)
Toluene	108-88-3	3000.0 mg/kg(Rats)

Aquatic Animal Information:

The most sensitive known aquatic group to any component of this product is: Mosquito Fish 13000 ppm or mg/L (48 hour exposure). The substance is toxic to aquatic organisms. Environmental effects of the substance have not been investigated adequately.

Mobility: This material is a mobile liquid.

Degradability: This product is partially biodegradable.

Accumulation: This product does not accumulate or biomagnify in the environment.

13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

14. TRANSPORTATION INFORMATION

US Ground (DOT) LIMITED QUANTITY
 Proper Shipping Name: Consumer Commodity
 NOS Technical Name: N/A
 Hazard Class: ORM-D
 UN Number: N/A

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FOR LARGE CONTAINERS:
Proper Shipping Name: Paint Related Material
Hazard Class: Flammable 3
UN Number: UN1263
Packing Group: II
ERG: 128

15. REGULATORY INFORMATION

EPA REGULATION:
SARA SECTION 311/312 HAZARDS: Acute Health, Fire

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)
Acetone	67-64-1	30	(311,312)	5000
*Toluene	108-88-3	8	(311,312,313,RCRA)	1000

12500 LB / 5681 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF TOLUENE.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS: this product meets requirements of southern California AQMD Rule 443.1 & similar regulations.

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene

INTERNATIONAL REGULATIONS: The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, China, Europe (EINECS), Japan, Korea, United Kingdom.

16. OTHER INFORMATION

HAZARD RATINGS: HEALTH (NFPA): 1 HEALTH (HMIS): 2 FLAMMABILITY: 3 REACTIVITY: 0

(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

Prepared by: Technical Manager

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS may not be applicable.

END OF MSDS