



KCPARHS4/ KCPARHS1

MATERIAL SAFETY DATA SHEET

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Revision Date: 01/29/2008

Print Date: 3/12/2010

MSDS Number: 000000045290

Version: 1.1

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT IDENTITY: Adhesive Remover High Strength  
COMPANY IDENTITY: KLINE'S AUTO, INC.  
COMPANY ADDRESS: 630 N. 13<sup>th</sup> STREET  
COMPANY CITY: ALLENTOWN, PA 18102  
COMPANY PHONE: 1-610- 434-7470  
CHEMTREC PHONE: 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid

WARNING! FLAMMABLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE DERMATITIS AND BURNS.

**Potential Health Effects**

**Routes of exposure**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin contact**

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

**Ingestion**

This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, male reproductive system, auditory system, Individuals with preexisting heart disorders maybe more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the face and



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neck, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), tight feeling in the chest, central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, effects on memory, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), coma

**Target Organs**

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:, testis damage, kidney damage, liver damage, Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans:, central nervous system effects, effects on hearing

**Carcinogenicity**

Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified ethylbenzene as a possible human carcinogen.

**Reproductive hazard**

This material (or a component) may be harmful to the human fetus based on positive test results with laboratory animals.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Concentration
XYLENE	1330-20-7	>=50-<60%
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	64742-88-7	>=20-<30%
ETHYL BENZENE	100-41-4	>=15-<20%

**4. FIRST AID MEASURES**

**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**Skin**

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

**Hazards:** Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Hazardous combustion products**

carbon dioxide and carbon monoxide, various hydrocarbons

**Precautions for fire-fighting**

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters.

**Flammability Class for Flammable Liquids**

Flammable Liquid Class IC

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**Environmental precautions**

Local authorities should be advised if significant spillages cannot be contained. Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Prevent spreading over a wide area (e.g. by containment or oil barriers).

**Methods for cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).



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Other information

Suppress (knock down) gases/vapors/mists with a water spray jet. Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

Storage

Store in a cool, dry, ventilated area, away from incompatible substances. Do not store near extreme heat, open flame, or sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

XYLENE 1330-20-7

Table with 4 columns: Agency, Exposure Limit, Value, and Unit. Rows include ACGIH (time weighted average, 100 ppm), OSHA Z1 (Permissible exposure limit, 100 ppm), and NIOSH (Recommended exposure limit (REL), 100 ppm).

ETHYL BENZENE 100-41-4

Table with 4 columns: Agency, Exposure Limit, Value, and Unit. Rows include ACGIH (time weighted average, 100 ppm), OSHA Z1 (Permissible exposure limit, 100 ppm), and NIOSH (Recommended exposure limit (REL), 100 ppm).

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.



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**Exposure controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Eye protection**

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection**

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

**Respiratory protection**

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	liquid
Form	No data
Colour	No data
Odour	No data
Boiling point/boilingrange	137.00 °C / 279 °F
pH	No data
Flash point	79.99 °F / 26.66 °C
Evaporation rate	No data
Explosion limits	1 %(V) 6.6 %(V)
Vapour pressure (mm of Hg @ 20C)	4.59
Vapour density	No data
Density	7.078 lbs/gal / 848 g/L
Volatile Organic Compounds	7.078 lbs/gal / 848 g/L
Solubility	No data
Partition coefficient: n-octanol/water	No data
Autoignition temperature	No data

**10. STABILITY AND REACTIVITY****Stability**

Stable.



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**Conditions to avoid**

**Incompatible products**

Avoid contact with: strong oxidizing agents

**Hazardous decomposition products**

carbon dioxide and carbon monoxide, various hydrocarbons

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition**

No data

**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity**

XYLENE	LD 50 Rat: 4,300 mg/kg
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	LD 50 Rat: > 5,000 mg/kg
ETHYL BENZENE	LD 50 Rat: 3,500 mg/kg

**Acute inhalation toxicity**

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	LC 50 Rat: > 5500 ppm, 4 h
ETHYL BENZENE	LC Lo Rat: 4000 ppm, 4 h

**Acute dermal toxicity**

XYLENE	LD 50 Rabbit: > 2,000 mg/kg
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	LD 50 Rabbit: > 3,000 mg/kg
ETHYL BENZENE	LD 50 Rabbit: 15,433 mg/kg

**12. ECOLOGICAL INFORMATION**

**Aquatic toxicity**

**Acute and Prolonged Toxicity to Fish**

No data

**Acute Toxicity to Aquatic Invertebrates**

No data



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**Environmental fate and pathways**

No data

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**

For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

**14. TRANSPORT INFORMATION**

**IMDG:**

UN1993, FLAMMABLE LIQUID, N.O.S. (ETHYLBENZENE, XYLENE) 3, II

**IATA P:**

UN1993, Flammable liquid, n.o.s. (ETHYLBENZENE, XYLENE) 3, II

**IATA C:**

UN1993, Flammable liquid, n.o.s. (ETHYLBENZENE, XYLENE) 3, II

**CFR ROAD:**

UN1993, Flammable liquids, n.o.s. (ETHYLBENZENE, XYLENE) 3, II

**CFR RAIL:**

UN1993, Flammable liquids, n.o.s. (ETHYLBENZENE, XYLENE) 3, II

**CFR INWTR:**

UN1993, Flammable liquids, n.o.s. (ETHYLBENZENE, XYLENE) 3, II

Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

**California Prop. 65**  
 WARNING! This product contains a chemical known in the State of California to cause cancer.  
 ETHYL BENZENE  
 BENZENE

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.  
 TOLUENE  
 BENZENE

<b>SARA Hazard Classification</b>	Fire Hazard Acute Health Hazard Chronic Health Hazard
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<b>SARA 313 Component (s)</b>		
XYLENE	1330-20-7	57.75%
ETHYL BENZENE	100-41-4	16.5%



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	Health	Flammability	Reactivity	Other
HMIS	1*	3	0	
NFPA				No data

**16. OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.