



Safety Data Sheet

HOU CHEM Eliminator

HMIS Ratings	
Health	2
Flammability	3
Reactivity	0
Protection	B

Section 1: Identification

Product Name:	HOU CHEM Eliminator
Product Use:	Automotive Reconditioning Product
Restrictions on Use:	For use on automobiles only
Manufacturer:	Blue Ribbon Products, Inc. 8188 Allison Avenue Indianapolis, IN 46268
Phone Number:	(317) 972-7970 * (888) 274-2266
Emergency Phone:	CHEMTREC 1-800-424-9300 For International Calls: (703) 527-3887

Section 2: Hazard Identification

Hazard Class:	Skin Irritant Category 3, Eye Irritant Category 2A, Flammable Liquid Category 2, Aspiration Category 1, Carcinogenicity Category 2, Germ-Line Mutagen Category 2, Reproductive Toxicant Category 2/Lactation Hazard, Target Organ Acute Toxicity Category 3, Target Organ Chronic Toxicity Category 2, Acute Aquatic Toxicity Category 2, Chronic Aquatic Toxicity Category 2.
Signal Word(s):	Danger
Hazard Statement:	Highly flammable liquid and vapor. Causes mild skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. Suspected of causing Cancer. Suspected of damaging fertility or the unborn child, causing low birth weight and other defects. May cause harm to breast-fed children. May cause respiratory irritation and CNS depression upon inhalation. Toxic to aquatic life with long lasting effects. May be fatal if swallowed and enters airways. May cause damage to liver, kidneys, and CNS through prolonged or repeated exposure, coupled with neurobehavioral deficits.

Pictogram Classes:



Precautionary Measures: Keep away from all sources of ignition. Do not eat, drink, or smoke while using this product. Keep container tightly closed. Do not ingest, keep out of eyes. Avoid breathing fume/gas/mist/vapours/spray. Wear proper protective gear. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy and while nursing. Use only outdoors or in well-ventilated area. Avoid release to the environment or contamination of water sources. Wash thoroughly after handling. Store tightly closed and locked up in cool, well-ventilated place.

Miscellaneous Hazards: N/A

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Wgt.%)
VM&P Naphtha	64742-89-8	50-65
Amyl Acetate	628-63-7	2-5
Xylene	1330-20-7	0-2
Perchloroethylene	127-18-4	3-6
Ethanol, 2-butoxy	111-76-2	1-5
Solvent Naphtha, Light Aliphatic	64742-95-6	7-12
1,2,4-Trimethylbenzene	95-63-6	2-10
1,3,5-Trimethylbenzene	108-67-8	2-5
Cumene	98-82-8	0-4
Diethylbenzene	25340-17-4	1-5
Nonhazardous chemicals and ingredients below reportable levels	Proprietary	0-32

Section 4: First Aid Measures

Skin Contact Wash immediately with soap and water. Take off all contaminated clothing. If irritation persists, seek medical advice/attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present/able. Continue rinsing. If eye irritation persists, get medical advice/attention

Inhalation Move person to non-contaminated air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop or persist.

Ingestion If the material is swallowed, get immediate medical attention – Do not induce vomiting.

Notes for Immediate Care / Physician If aspirated into the lungs, this product may cause chemical pneumonitis; treat the affected person appropriately. In addition, chronic exposure or severely acute exposure may result in impaired liver and kidney function, coupled with changes in the CNS system and neurobehavioral deficits which may be permanent based on dosage.

Section 5: Fire Fighting Measures

Hazardous Combustion Products:

Nitrogen oxides, ammonia, carbon monoxide, carbon dioxide, other hydrocarbon fragments, and phosgene and chlorinated products at high temperatures.

Extinguishing Media:

Carbon dioxide. Alcohol foam. Dry chemical

General Fire Hazards:

This product and its vapors are flammable. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Avoid use or storage by heat, sparks, or flame.

Fire Fighting Equipment and Instructions:

Firefighters should wear full protective gear.

Section 6: Accidental Release Measures

Personal Protection/PPE:

Eliminate all sources of ignition. Wear mask, gloves, safety glasses or goggles, and an apron to avoid inhalation and skin and eye contact.

Emergency Procedures:

Eliminate all sources of ignition to avoid fire. Ensure ventilation to avoid inhalation. Do not allow to contaminate water sources.

Containment Procedures:

Eliminate sources of ignition. Stop the flow of material, if this is without risk. Dike the spilled material where this is possible. If able, do not allow to contaminate water sources. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents, or recover using pumps.

Cleanup Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal.

Section 7: Handling and Storage**Handling Procedures:**

Keep this product from heat, sparks, or open flame. Avoid prolonged or repeated skin contact with this material. Do not allow this product to contaminate streams, aquifers, or other water sources, as it is very toxic to aquatic life with long lasting effects.

Storage Procedures:

Keep the container tightly closed and locked up in cool, well-ventilated place. Do not store, incinerate, or heat this material above 120°F. Eliminate all sources of ignition.

Section 8: Exposure Controls/Personal Protection

Chemical	CAS Number	PEL-OSHA	Exposure Limits	
			TLV-ACGIH	Carcinogen
VM&P Naphtha	64742-89-8	500 ppm	300 ppm	No
Amyl Acetate	628-63-7	50 ppm, 100 ppm ST	50 ppm	No
Xylene	1330-20-7	100 ppm TWA 435 mg/m ³ TWA 300 ppm Ceiling	100 ppm TWA 434 mg/m ³ TWA	No
Perchloroethylene	127-18-4	100 ppm TWA 200 ppm Ceiling	25 ppm TWA 100 ppm STEL	Likely, IARC 2A
Ethanol, 2-butoxy	111-76-2	50 ppm	20 ppm TWA 50ppm STEL	No
Solvent Naphtha, Light Aliphatic	64742-95-6	N/A	N/A	No
1,2,4- Trimethylbenzene	95-63-6	25 ppm TWA	25 ppm TWA	No
1,3,5- Trimethylbenzene	108-67-8	25 ppm TWA	25 ppm TWA	No
Cumene	98-82-8	50 ppm	50 ppm TWA	Possible, IARC 2B
Diethylbenzene	25340-17-4	N/A	N/A	No
Nonhazardous chemicals and ingredients below reportable levels	Proprietary	N/A	N/A	N/A

Engineering Controls:

Explosion proof exhaust ventilation should be used.

Personal Protective Equipment:**Eyes/Face:**

Wear chemical goggles.

Skin:

Use impervious gloves. Use of impervious apron and boots are recommended.

Respiratory:

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

General:

Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material.

Section 9: Physical and Chemical Properties

Appearance:	Red/Brown liquid
Flammability Limits:	Not applicable.
Explosive Limits:	Not applicable.
Odor:	Solvent characteristic
Odor Threshold:	Not available.
Vapor Density:	>1
Vapor Pressure:	Not available.
pH:	Not available.
Relative Density:	0.95
Melting Point:	Not available.
Solubility:	Insoluble in water.
Initial Boiling Point/Boiling Range:	Not available.
Flash Point:	77.56°F/25.31°C calculated
Autoignition Temperature:	Not available.
Evaporation Rate:	Not available.
Partition Coefficient (n-octanol/water):	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.

Section 10: Stability and Reactivity

Reactivity:

Will react with strong oxidizing agents.

Chemical Stability:

This is a stable material.

Hazardous Decomposition:

Hazardous combustion products may include nitrogen oxides, ammonia, carbon monoxide, carbon dioxide, and other hydrocarbon fragments, along with phosgene and chlorinated products at high temperatures.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Strong oxidizing agents (peroxides, chlorine, strong acids).

Conditions Leading to Hazard:

Storage at temperatures approaching or exceeding 120°F, allowing product to freeze, storage with strong oxidizers, storage near heat or sources of ignition.

Section 11: Toxicological Information

Acute Toxicity Estimate – Oral: >5000 mg/kg

Acute Toxicity Estimate – Dermal: >5000 mg/kg

Reproductive Toxicity/Germ Cell Mutagenicity: Contains perchloroethylene, which has shown mutagenic effects in vivo.

Skin/Inhalation Sensitization: This product is not expected to cause sensitization.

Carcinogenicity: Contains perchloroethylene and cumene, compounds reasonably suspected to be human carcinogens.

Section 12: Ecological Information

Existing Structure Activity Relationship (SAR) and Experimental data on the components of this product indicate both Acute Toxicity Category 2 and Chronic Toxicity Category 2 to the aquatic environment. Bioaccumulation and other routes of aquatic contamination have insufficient data to be considered.

None of the components of this product are listed in the Montreal Protocol or its Amendments.

Section 13: Disposal Concerns

Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental Regulations.

Section 14: Transport Information

US DOT HMR Information

Proper Shipping Name: Flammable liquids, N.O.S (Petroleum Distillates, Xylene)

Identification Number: UN1993

Hazard Class: 3

Packing Group II

Special Note: Marine Pollutant

Section 15: Regulatory Information

US Federal Regulations

CERCLA/SARA – Section 313 – Emission Reporting

Tetrachloroethylene
Xylene
1,2,4-Trimethylbenzene
Cumene

State Regulations

California – Proposition 65 – Carcinogens List

Tetrachloroethylene
Cumene

Section 16: Other Information

Disclaimer:

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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