

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR REMOVER
PRODUCT CODE: 275

HMS CODES: H F R P
2 1 0

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: UNITED GILSONITE LABORATORIES
ADDRESS: 1396 JEFFERSON AVENUE, SCRANTON PA 18509
EMERGENCY PHONE: (800) 424-9300 **INFORMATION PHONE:** (717) 344-1202
DATE REVISED : 05-01-97 **NAME OF PREPARER :** R. Barako
REASON REVISED : Lower PEL for Methylene Chloride

=====**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**=====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
*METHYLENE CHLORIDE	75-09-2	25ppm TWA	50 ppm	125ppm STEL	355.0 406F	89.89
*METHYL ALCOHOL	67-56-1	200PPM	200PPM	200PPM	96.0 68F	7
*TOLUENE	108-88-3	100ppm TWA	50ppm TWA	PROP.65	24.0 68F	2

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
This product contains a chemical known to the state of California to cause cancer, reproductive or developmental toxicity.

=====**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**=====

BOILING RANGE: 104 to 231 Deg F **SPECIFIC GRAVITY (H2O=1):** 1.2
VAPOR DENSITY: LIGHTER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
COATING V.O.C. : 5.98 LB/GL (717 G/L)
SOLUBILITY IN WATER: insoluble
APPEARANCE AND ODOR: clear to opaque liquid with aromatic odor

=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====

FLASH POINT: N/A **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% **UPPER:** 36.0%

EXTINGUISHING MEDIA: NONE KNOWN

SPECIAL FIREFIGHTING PROCEDURES

Water may be used to cool containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. Self contained respiratory protection should be used when fighting a fire where product is stored.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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SECTION V - REACTIVITY DATA
=====**STABILITY: STABLE**
CONDITIONS TO AVOID

Heat, sparks, open flames, hot metal surfaces.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Toxic gases such as phosgene.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

N/A

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SECTION VI - HEALTH HAZARD DATA
=====**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Excessive exposure to vapors can result in headache, dizziness, incoordination, nausea and loss of consciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Extreme burning on eye contact. Burning, redness and possible rash on skin contact.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This material may cause defatting and irritation of skin. Prolonged or repeated contact may cause dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Extreme discomfort, nausea, unconsciousness.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and central nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? YES

Methylene Chloride is identified as a potential carcinogen by IARC and NTP. See Section II. It is not believed to pose a measurable carcinogenic risk to man when handled as recommended.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Kidney diseases, respiratory illnesses, skin allergies, cardiac conditions.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical attention.

SKIN: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

INGESTION: Drink 1 or 2 glasses of water. Call a physician, hospital or poison control center for instructions to induce vomiting. When medical advice is not available, induce vomiting using syrup of ipecac, according to directions. If ipecac is unavailable, induce vomiting with finger or back of spoon. **INHALATION:** Move victim to fresh air.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove any sources of ignition. Provide adequate ventilation and/or self-contained breathing apparatus. Dike spill, apply absorbant material. Avoid breathing vapors.

WASTE DISPOSAL METHOD

Using non-sparking tools, scrape up and store in closed metal container. Dispose of in approved sites according to local, state, and federal regulations. 1

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid storage at temperatures greater than 90 degrees (F) or near heat, sparks, electrical equipment or open flames.

OTHER PRECAUTIONS

Avoid prolonged breathing of vapors or contact with skin. Prevent prolonged or repeated breathing of vapor. To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use, in a water filled, closed metal container. Use this product outdoors, if possible. If you must use it indoors, open all windows and doors or use other means to assure fresh air circulation during application. If properly used a respirator may offer additional protection. Obtain professional advice on the proper use of respirator.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Wear NIOSH-approved respirator with organic vapor and solid particle filter cartridges.

VENTILATION

Use adequate ventilation in volume and pattern to maintain level below that listed in SECTION II.

PROTECTIVE GLOVES

Use neoprene rubber gloves to prevent skin contact.

EYE PROTECTION

Use safety eyewear with splash guards or side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Remove and wash contaminated clothing before reuse.

WORK/HYGIENIC PRACTICES

Wash hands before eating, smoking, or using the washroom.

===== SECTION IX - DISCLAIMER =====

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