

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

HEALTH
FLAMMABILITY

HMIS®

2* REACTIVITY 0
0 PERSONAL PROTECTION B

Identity (As Used on Label and List)

BREAK AWAY

Note: Blank spaces are not permitted. If any space is not necessary, or no information is available, the space must be marked to indicate that.

SECTION I

Manufactured for:
American Industrial Supply Inc.

Emergency Telephone Number

1-800-255-3924

P.O. Box 10996

Telephone Number for Information

1-800-366-0961

4514 Vanowen Street

Date Prepared

March 3, 1985

Burbank CA 91505

Signature of Preparer (Optional)

REGULATORY DEPT.

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	%(Opt.)
*Perchloroethylene	127-18-4	25 ppm	50 ppm	STEL-200 ppm	60-85
Carbon dioxide	124-38-9	10000 ppm	5000 ppm	STEL-30,000 ppm	
Petroleum oil	Mixture	5 mg/m ³	5 mg/m ³	STEL-10 mg/m ³	

* This product contains perchloroethylene (syn. tetrachloroethylene) which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

SECTION III Physical/Chemical Characteristics

Boiling Point	250° F	Specific Gravity (H ₂ O = 1)	1.54
Concentrate - Initial		Concentrate	
Pressure (psig. @ 70° F)	60 ± 5	Melting Point	No Data
Vapor Density (AIR = 1)	Greater than one (1)	Evaporation Rate (Butyl Acetate = 1)	No Data
Solubility in Water	Insoluble	pH	Not Applicable

Appearance and Odor

Clear amber liquid with a chlorinated solvent/wintergreen scent in an aerosol container.

SECTION IV - Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3085)	Flammable Limits	LEL	UEL
4". No flashback, non-flammable	No Data	No Data	No Data

Extinguishing Media

*Not usually necessary as this product does not readily support combustion. Use extinguishing agent appropriate for fire's fuel source (i.e. carbon dioxide, dry chemical, foam, fog, etc.).

Special Fire Fighting Procedures - Use water spray to keep containers cool and vapors down. Do not allow runoff to enter sewers or public watercourses. Wear self-contained breathing apparatus in chemical fires.

Unusual Fire and Explosion Hazards -

Aerosol container (pressurized) may burst if heated over 120° F.

SECTION V - Reactivity Data

Stability	Unstable	Conditions to Avoid - Extreme heat, direct sunlight
	Stable	X

Incompatibility (Materials to Avoid) -

Strong oxidizers, acids and alkalis, and alkali metals.

Hazardous Decomposition or Byproducts - Carbon dioxide, carbon monoxide, sulfur oxides, aldehydes, phosgene, hydrogen chloride, chlorine, soot and smoke.

Hazardous	May Occur	Conditions to Avoid - None known
Polymerization	Will Not Occur	X

SECTION VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic) - Warning. Causes eye and skin irritation. Harmful if inhaled or swallowed. May be absorbed through intact skin. Aspiration hazard if ingested. May produce conjunctivitis with direct eye contact. Central nervous system effects possible. Follow good chemical hygiene practices to avoid these hazards.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Yes, perchloroethylene	Yes	Yes (Group 2B)	Yes

WARNING: This product contains a chemical (tetrachloroethylene) known to the State of California to cause cancer.

Signs and Symptoms of Exposure - Burning, tearing, redness in eyes. Redness, drying or cracking skin. Irritation of nose, throat and gastrointestinal tract. Drowsiness, dizziness, loss of coordination or fatigue. Anesthetic or narcotic effects possible.

Medical Conditions Generally Aggravated by Exposure - Pre-existing skin, lung, heart, liver or kidney disorders may be aggravated by prolonged or repeated occupational overexposures.

Emergency and First Aid Procedures - Eyes - Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. Get immediate medical attention. Ingestion - Do not induce vomiting unless under the direction of a physician. Get immediate emergency medical attention. Inhalation - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. Skin - Wash thoroughly with soap and water. If irritation arises and persists, call a physician.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled - Caution, slip hazard. Wipe up small spills with an absorbent material. For large spills, isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up with an absorbent material and put in suitable container for proper disposal. To eliminate slip hazard, carefully remove residuals with a suitable detergent or safety solvent.

Waste Disposal Method - Consult local, state and federal regulations. Do not puncture or incinerate container. Replace cap on empty can, wrap, then discard container if allowed by applicable statutes.

Precautions to be Taken in Handling and Storing - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not swallow. Avoid inhaling mist and vapors. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, and direct sunlight. Direct spray away from face. Do not puncture container.

Other Precautions - Follow label directions carefully. Keep out of reach of children. Do not deliberately concentrate and inhale vapors. Replace cap when not in use. Do not use around ignition sources such as heat, sparks, open flame, etc.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type) - Not usually necessary. Use with adequate ventilation. If PELs or TLVs are exceeded (see Section III), use an approved NIOSH/MSHA respirator.

Ventilation	Local Exhaust	Not usually needed	Special	None
	Mechanical (General)	Acceptable	Other	None

Protective Gloves -

Yes, when contact is possible.

Eye Protection -

Yes, approved safety glasses or goggles (ANSI Z87).

Other Protective Clothing or Equipment - Only when direct contact is possible. Use appropriate gear such as apron, boots, face shield, etc. when necessary.

Work/Hygiene Practices - Normal. Wash thoroughly before eating, drinking, smoking, using restrooms, etc.

While the information and recommendations set forth herein are believed to be accurate as of the date herein American Industrial Supply Inc. makes no warranty with respect thereto and assumes all liability from reliance thereon.