

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-it

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

SECTION I

Manufactured for:

Ultra-Chem, Inc.

Address (Number, Street, City, State, and ZIP Code)
 8043 Flint

Lenexa, Kansas 66214

Emergency Telephone Number

1 (800) 535-5053

Telephone Number for Information

1 (913) 492-2929

Date Prepared

April 1, 1986

Signature of Preparer (Optional)

REGULATORY DEPT.

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific

Chemical Identity, Common Name(s))

*Perchloroethylene

Carbon dioxide

Petroleum oil

*2-Butoxyethanol (skin designation)

CAS No.

127-18-4

124-38-8

Mixture

111-76-2

OSHA PEL

25 ppm

10000 ppm

5 mg/m³

25 ppm

ACGIH-TLV

50 ppm

5000 ppm

5 mg/m³

25 ppm

Other Limits

Recommended

STEL-200 ppm

STEL-30,000 ppm

STEL-10 mg/m³

% (Opt.)

60-85

1 - 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 - Concentrate - Initial

250° F

Specific Gravity (H₂O = 1) Concentrate

1.54

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-3065)

4", No flashback, non-flammable

Flammable Limits

No Data

LEL

No Data

UEL

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

Stable

X

Conditions to Avoid - Extreme heat, direct sunlight

Incompatibility (Materials to Avoid) - Strong oxidizers, acids and alkalies, 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?

Yes

Inhalation?

Yes

Skin?

Yes

Ingestion?

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: Yes, perchloroethylene

NTP?

Yes

IARC Monographs?

Yes (Group 2B)

OSHA Regulated?

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 II), 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/Hygenic 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 hereon Ultra-Chem, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.