

Material Safety Data Sheet

HMIS®

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

HEALTH

2

REACTIVITY

0

FLAMMABILITY

1

PERSONAL PROTECTION

B

Identity (As Used on Label and List)

Re-Nu Non-Acid Foaming Coil Cleaner

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..

Emergency Telephone Number

1 (800) 535-5053

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

8043 Flint

Telephone Number for Information

1 (913) 492-2929

Lenexa, Kansas 66214

Date Prepared

April 8, 1996

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.)

Alkyl benzene sulfonic acid

27176-87-0

None

None

Propane

74-98-6

1000 ppm

Asphyxiant

Isobutane

75-28-5

800 ppm

800 ppm

This product is not known to contain any compound listed and in quantities requiring reporting under SARA Title III Section 313.

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

212° F

Specific Gravity (H₂O = 1)

Concentrate

1.009

Pressure (psig. @ 70° F)

42 ± 5

Melting Point

No Data

Vapor Density (AIR = 1)

Greater than one (1)

Evaporation Rate (Butyl Acetate = 1)

No Data

Solubility in Water

Complete

pH

11.5 ± 0.5

Appearance and Odor

Opaque colorless liquid with a citrus scent in an aerosol can.

SECTION IV - Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065)

0", No flashback, Non-flammable

Flammable Limits

No Data

LEL

No Data

UEL

No Data

Extinguishing Media -

Dry chemical, carbon dioxide, foam or water fog.

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 acids, bases, oxidizing and reducing agents; and hydroxyl compounds.

Hazardous Decomposition or Byproducts -

Oxides of carbon, sulfur dioxide, hydrogen sulfide and irritating organic oxidation products.

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	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 irritation. May cause skin and respiratory tract irritation. May be harmful if swallowed. Concentrated vapors may cause central nervous system effects (CNS). Follow good chemical hygiene practices to avoid these hazards.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known	No	No	No

Signs and Symptoms of Exposure -

Burning, tearing, redness in eyes. Redness, drying and cracking of skin. Headache, nausea and loss of coordination (CNS effects) if inhaled at high concentrations. Swallowing may irritate throat and stomach causing nausea or diarrhea.

Medical Conditions Generally Aggravated by Exposure -

Pre-existing skin or respiratory tract disorders.

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. Contact a physician or poison control center immediately. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. **Skin** - Flush with plenty of water for at least 15 minutes. If irritation arises and persists seek medical attention.

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. Large spills - Isolate traffic and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up on absorbant material and store in suitable container for proper disposal.

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. Avoid inhaling mist and vapors. Do not swallow. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, and direct sunlight. Direct spray away from face.

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 necessary	Special	None
	Mechanical (General)	Acceptable	Other	None

Protective Gloves - Yes, impervious	Eye Protection - Yes, safety glasses or goggles (ANSI Z87)
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Other Protective Clothing or Equipment -

As needed to avoid direct contact with skin and clothing (i.e. apron, boots, etc.).

Work/Hygienic 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.