



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: VERSATILE
CHEMICAL FAMILY: LIQUID SOFTENER/SANITIZER

HCS (Division of Washing Systems, LLC)
5579 Spellmire Dr.
Cincinnati, OH 45246
513-870-4830
EMERGENCY CONTACT: CHEMTREC (800-424-9300)

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II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>CAS</u>	<u>Exposure Limits</u>	<u>%</u>
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₈)	Quaternary Ammonium chloride	68391-01-5		2-4
Alkyl dimethyl ethylbenzyl ammonium chloride (C ₁₂₋₁₄)	Quaternary Ammonium chloride	68956-79-6		2-4
Isopropanol	IPA	67-63-0	400ppm (TWA)	1-5

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE & ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Milky white liquid, no distinguishable odor	>1	212°F	Soluble
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATIONRATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.00	ND	UNK	N/A

IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u>		<u>AUTO IGNITION TEMP</u>
130°F (PMCC)	<u>(lower limit)</u>	<u>(upper limit)</u>	
	N/A	N/A	N/A

EXTINGUISHING AGENTS: Dry chemical, foam, carbon dioxide, water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product contains a flammable solvent. Vapors may be released that travel long distances, ignite and flash back.

V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	Oxides of nitrogen and ammonia	Strong oxidizing agents and anionic compounds	Will not occur.

VI. HEALTH HAZARD DATA

<u>SKIN:</u>	<u>ACUTE</u> May be severely irritating to the skin. This product may be harmful if absorbed through the skin. <u>CHRONIC</u> None Known.
<u>EYES:</u>	<u>ACUTE</u> May be severely irritating to the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. <u>CHRONIC</u> None Known
<u>INHALATION:</u>	<u>ACUTE</u> Inhalation of vapors or mists of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headaches, dizziness, nausea, and loss of motor skills. <u>CHRONIC</u> None Known
<u>INGESTION:</u>	<u>ACUTE</u> May be harmful if swallowed. <u>CHRONIC</u> None Known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None are known.

CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

EMERGENCY AND FIRST AID PROCEDURES

<u>SKIN:</u>	Immediately flush with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician if irritation persists.
<u>EYES:</u>	Immediately flush with plenty of cool water under low pressure. Flush continuously for at least 15 minutes. Hold eyelids open and move eye while flushing. Seek medical attention immediately.
<u>INHALATION:</u>	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
<u>INGESTION:</u>	Call a physician immediately. Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING.

VII. SPILL OR LEAK PROCEDURES

Isolate spill or leak area immediately. Keep unauthorized persons away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear appropriate personal protective equipment during cleanup. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

SPECIAL PRECAUTIONS

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE.

Store in a dry place no lower in temperature than 50°F or higher than 120°F.

VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
Use NIOSH approved respirator when airborne limits are exceeded	Chemical goggles or face shield	Chemical resistant	None required under normal use
<u>VENTILATION:</u>	<u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	None	Exhaust ventilation	None

N/A = Not Applicable

PEL = Permissible Exposure Limit

TWA = Time Weighted Average

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limit

UNK = Unknown at This Time

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