MATERIAL SAFETY DATA SHEET

AQUASHINE

1. COMPANY IDENTIFICATION

Manufacturer: SpecChem
444-B Richmond Ave.
Kansas City, KS 66101
Phone (866) 791-8700
24 Hour Emergency Contact: CHEMTREC (800) 424-9300

2. COMPOSITION INFORMATION

Component	CAS #	% by weight
Trime- 1,3 – pentanediol, monoisobutyrate	25265-77-4	<15%

3. HAZARDS IDENTIFICATION

Component	Exposure Limit
Trime- 1,3 – pentanediol, monoisobutyrate	NE

NFPA CLASSIFICATION (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Health 0, Fire 1, Reactivity 0
HAZARD DESCRIPTION: None
SYMPTOMS OF OVEREXPOSURE: Headache, nausea, respiratory irritation, skin irritation, drowsiness.

4. FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with water for 15 minutes or until irritation subsides. Obtain medical attention if irritation persists.
SKIN CONTACT: Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention if irritation persists. Discard contaminated leather articles such as shoes and belt.
INHALATION: Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove victim to fresh air. Give artificial respiration if not breathing. Obtain medical attention if breathing problems persist.
INGESTION: If ingested, DO NOT induce vomiting and DO NOT give liquids. Immediately obtain medical attention. Should a small amount accidentally enter mouth, rinse with water until taste is gone.

5. FIRE FIGHTING MEASURES

Flash Point: >200°F (PMCC)
Autoignition Temperature: Product is not self igniting
Flammability Limits in air: Lower flammable limit 0.8%
Upper flammable limit 7.0%
EXTINGUISHING MEDIA: Foam, water spray (fog), dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents.
EXTINGUISHING MEDIA TO AVOID: No information available.

SPECIAL FIREFIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse vapors and provide protection for personnel attempting to stop the leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, smoke, or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.
DECOMPOSITION PRODUCTS: Carbon monoxide, sulfur oxides, aldehydes, and others in the case of incomplete combustion.
"EMPTY" CONTAINER WARNING: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death.
Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to OSHA, ANSI Z 49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Dike and contain with suitable absorbent. Shut off source of leak only if it is safe to do so. Do not allow to enter sewers or open waterways. Advise authorities if product has entered sewers, waterways, or extensive land areas.
SMALL SPILLS: Extinguish all possible sources of ignition. Take up with absorbent materials such as sand or sawdust and place in non-leaking containers. Dispose of in accordance with all Federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING: For industrial use only. Avoid skin and eye contact. Minimize breathing vapor or mist. Respiratory protection is required when ventilation is inadequate. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of a work period. Product is readily removed from skin by waterless hand cleaners following by washing thoroughly with soap and water.
STORAGE: Store in a cool, dry location and in accordance with good industrial practices. Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidizers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use local exhaust to capture vapor or mists if necessary. Provide ventilation sufficient to prevent exceeding OSHA PELs.
RESPIRATORY PROTECTION: Normally not needed at ambient temperatures. Use OSHA/NIOSH approved supplied-air respiratory protection in confined or enclosed spaces, where mist is present or may be generated, or in event of fire.
SKIN PROTECTION: Use chemical resistant gloves, boots, apron, and other impervious clothing to prevent prolonged or repeated skin contact. Nitrile boots recommended.
EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.
PERSONAL HYGIENE: Remove contaminated clothing and launder or dry clean before reuse. Discard contaminated leather articles such as shoes and belt.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky White
ODOR: Characteristic
BOILING POINT: 212°C (est.)
VAPOR PRESSURE: Less than 17 mm Hg 20°C
SPECIFIC GRAVITY: 1.02
VAPOR DENSITY: N/A
EVAPORATION RATE @ STP (n-butyl acetate=1): NE
POUR POINT: 0C
SOLUBILITY IN WATER: Fully miscible

10. STABILITY AND REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur.
Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite. Do not store with or allow contact with acids.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: Tests on similar materials show a low order of acute oral and dermal toxicity. As a precaution, exposure to liquids, vapor, mists, or fumes should be minimized.
EYE EFFECTS: Minimal irritation on contact.
SKIN EFFECTS: May cause mild irritation with prolonged and repeated exposure.
ORAL EFFECTS: Tests on similar materials indicate a low order of acute oral toxicity.
INHALATION EFFECTS: Low acute toxicity expected on inhalation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: Information may be available, contact SpecChem.
ECOTOXICITY: Information may be available, contact SpecChem.
FURTHER INFORMATION: None.

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13. DISPOSAL CONSIDERATIONS

When disposed of properly, this product does not meet RCRA classification or listing for hazardous waste. Dispose in accordance with all applicable Federal, state, provincial, and local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.
Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations and/or laws governing your location.

14. TRANSPORT INFORMATION

DOT SHIPPING LABEL: Not regulated by the U.S. DOT
HAZARD CLASS: Not applicable
WARNING: Due to the latent corrosive character of this product, storage or transportation in aluminum or other easily oxidized containers is not recommended.
For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents (DOT P 5800.3).

15. REGULATORY INFORMATION

FEDERAL/NATIONAL
This product is not hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SUPERFUND AMENDMENTS AND REAUTHORIAZATION ACT OF 1986 (SARA) TITLE III (Emergency Planning and Community Right to Know Act) SECTION 313
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: NONE
TOXIC SUBSTANCES CONTROL ACT (TSCA)
All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirements.

16. OTHER INFORMATION

Prepared by: Michael Volkov

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