

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AQUAPHASE 1813	AQUAPHASE, INC. P. O. BOX 7 GALLATIN, TN 37066 (615)452-6796 CHEM-TEL 1-800-255-3924 (EMERGENCY PHONE NUMBER)
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HAZARDOUS COMPONENTS

Chemical Name	CAS #	% By wt.	Exposure Limits	
			TLV	PEL
Aminotris(methylene phosphonic acid)	6419-19-8	<20	NE	NE

HEALTH HAZARD DATA

Primary Routes of Entry: Dermal and eye contact

Health Hazards:

Inhalation: No information available.

Skin: Moderately irritating to skin. No more than slightly toxic if absorbed.

Eyes: Moderately irritating to eyes.

Ingestion: No more than slightly toxic if swallowed. Significant adverse health effects are not expected to develop if only small amounts (less than a mouthful) are swallowed.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Immediate first aid is not likely to be required. If symptoms occur, remove to fresh air. Remove material from eyes, skin and clothing.

Skin Contact: Immediately flush the area with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists. Wash clothing before reuse.

Eye Contact: Immediately flush with plenty of water. If easy to do, remove any contact lenses. Get medical attention if irritation persists. Remove material from skin and clothing.

Ingestion: Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice. Wash heavily contaminated clothing before reuse.

FIRE AND EXPLOSION DATA

Flash Point: Non Flammable aqueous solution

Autoignition Temperature: NA

Flammable Limits: NA

Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide

Hazardous Combustion Products: Carbon monoxide (CO); carbon dioxide; nitrogen oxides (NOx); phosphorus oxides (PxOy); phosphines

Special Fire-fighting Procedures: Firefighters, and others exposed, wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

Unusual Fire and Explosion Hazards: Decomposes in a fire giving off irritant fumes.

REACTIVITY DATA

Incompatibility: Corrosive to aluminum and mild steel. Contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide (CO); carbon dioxide; nitrogen oxides (NOx); phosphorus oxides (PxOy)

Conditions to Avoid: None known.

Hazardous Polymerization: Does not occur.

CONTROL AND PROTECTIVE MEASURES

Respirator: Avoid breathing vapor or mist. Use approved respiratory protection equipment when airborne exposure is excessive. If used, full face piece replaces the need for face shield and/or chemical goggles. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. The respirator use limitations specified by the manufacturer must be observed.

Protective Gloves: Wear chemical resistant gloves. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application.

Eye Protection: Wear chemical goggles. Have eye flushing equipment available.

Ventilation: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as process equipment.

Other Protective Clothing and Equipment: Wear suitable protective clothing. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application. Wear full protective clothing if exposed to splashes. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.

Hygienic Work Practices: Wash hands after use. Do not smoke around chemical.

HANDLING AND LEAK PROCEDURES

Steps To Be Taken if Material is Spilled: Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Neutralize washings with soda ash or lime. Flush spill area with water. Keep out of drains and water course. Use recommended personal protection.

Waste Disposal Method: Local, state, provincial, and national disposal regulations may be more or less stringent. Consult your attorney or appropriate regulatory officials for information on such disposal. This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

Handling and Storage Precautions: Store in cool, dry area above freezing. Keep container closed when not in use. Protect container from physical damage. Avoid contact with skin, eyes, and clothing. Avoid breathing chemical. Use with adequate ventilation.

Recommended shelf life is one year maximum.

PHYSICAL DATA

Appearance: Clear, aqueous liquid

Boiling Point: >150° C

Specific Gravity: 1.33 @ 20°C

Water Reactive: No

Odor: Perceptible odor, aromatic

Water Solubility: Completely Miscible

STATEMENT OF LIABILITY

Aquaphase believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Aquaphase assumes no liability whatsoever for the accuracy or completeness of the information contained herein. All chemicals may present unknown health hazards and should be used with caution. Although certain health hazards are described in this sheet, we cannot guarantee that these are the only hazards that exist. Users of any chemical should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely. All health and safety information contained in this bulletin should be provided to your employees.

ABBREVIATIONS

NE – Not Established

NA – Not Applicable

CAS# - Chemical Abstracts Service Registry Number

TLV – Threshold Limit Value (ACGIH)

PEL – Permissible Exposure Limit (OSHA)

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

Caution: May cause eyes and skin irritation.

Date Prepared: 12/10