Material Safety Data Sheet | Aqualife D-401

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, Information and belief, accurate at the date of publication.
Nothing herein is to be construed as a warranty, express or implied. In all cases it is the Responsibility of the users to determine the applicability of such information or the suitability Of any products for their own particular purpose.

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1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Aqualife D-401
Company Trader or exporter name: Aqualife Latinamerican, S.A. de C.V.
For information, call: 01-800-220-2782 (AQUA)
Emergency Number: 01-800-220-2782 (AQUA)

2. COMPOSITION INFORMATION ON INGREDIENTS

Components: Modified Polycarboxylate
CAS No: 54193-36-1
Concentration: 42%-44%

Polymeric description(s) presented in this section are the U.S. Toxic Substances Control Act (TSCA) definitions.

3. HAZARD IDENTIFICATION & FIRST AID

Inhalation: May cause irritation of nose, throat, and lungs. May cause headache and nausea.
First Aid Move subject to fresh air.

Eye Contact .....May cause a slight irritation.
First Aid Flush eyes with a large amount of water for at least 15 minutes. Consult physician if irritation persists.

Skin Prolonged or repeated skin contact can cause slight irritation.
First Aid Wash affected area with soap and water. Consult physician if irritation persists.

Ingestion May cause irritation.
First Aid Give 2 large glasses of water to drink. Consult physician.
Never give anything by mouth to an unconscious person.
Prolonged or repeated overexposure to dusts or mists can cause lung irritation.

4. FIRE FIGHTING MEASURES

Flash Point..... Noncombustible
Lower Explosive Limit ..... No data available
Upper Explosive Limit..... Not applicable
Thermal decomposition.....May yield acrylic monomers.
Unusual hazards ..... Material can splatter above 100°C/212°F. Dried product can burn.
Extinguishing Agents ..... Use extinguishing media appropriate for surrounding fire.
Personal Equipment..... Wear self-contained breathing apparatus and full protective gear.

5. ACCIDENTAL RELEASE MEASURES

Personal Protection Appropriate protective equipment must be worn when handling chemical spills. Keep people away from and upwind of spill or leak. Material can create slippery conditions.

Procedures Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6. HANDLING AND STORAGE

Storage: Keep from freezing, material stability may be effected. The minimum recommended storage temperature for this material is 1°C/34°F. Then maximum storage temperature is 49°C/120°F.

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas. Monomer vapors can be evolved when material is heated during processing operations.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 Requirements must be followed whenever workplace conditions warrant a respirators use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a MSHA/NIOSH approved (or equivalent) half mask air-purifying respirator. Air purifying respirators should be equipped with MSHA/NIOSH approved (or equivalent) cartridges for protection against organic vapors and filters for protection against dusts and mists.
Eye protection: Use chemical splash goggles (ANSI Z87.1 or approved equivalent).
Eye protection worn must be compatible with respiratory protection system employed.
Hand protection: Neoprene gloves may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection.
Engineering Controls (ventilation)..... Use local exhaust ventilation with a minimum capture velocity of 150 ft./min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.
Other Protective Equipment: Facility should be equipped with eyewash and safety showers.

8. PHYSICAL AND CHEMICAL PROPERTIES

Molecular weight 4000-5000
Appearance..... Clear to hazy
Color ..... light amber
State ..... Liquid
PH 3.8-4.6
Density 1.18-1.25
Note: The physical data presented above are typical values and should not be construed as specification.

9. STABILITY AND REACTIVITY

Stability .....This material is considered stable.
Hazardous Decomposition..... None known
Hazardous Polymerization: Product will not undergo polymerization.
Incompatibility: There are no known materials which are incompatible with this product.

10. TOXICOLOGICAL INFORMATION

Toxicity data for a compositionally similar material are listed below:
Oral LD_{50} - rat: >5000 mg/kg
Inhalation LD_{50} - rat 1h >201 mg/l
Dermal LD_{50} - rabbit: >2,000 mg/kg
Eye Irritation - rabbit - None
Skin Irritation - rabbit - None

11. ECOLOGICAL INFORMATION

Environmental Toxicity -

Fish .....LC_{50}
Rainbow trout, ...96 h>100 mg/l
Algae **EC_{50} algae,**.....72 h>100 mg/l
Daphnia magna .....48 h>100 mg/l

12. DISPOSAL

Environmental precautions - Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal - Incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

13. TRANSPORT INFORMATION

U.S. D.O.T. Hazard Classification .....Non-regulated

14. REGULATORY INFORMATION

Workplace Classification This product is considered non-hazardous under OSHA Hazard

Communication Standard (29CFR 1910-1200).
This product as supplied is not a “controlled product” under the Canadian Workplace

Hazardous Materials Information System (WHMIS)

SARA Title 3: Section 311/312 Categorizations (40 CFR 370). This product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA Title 3: Section 313 Information (40 CFR 372). This product does not contain a chemical which is listed on Section 313 at or above de minimums concentrations.

CERCLA Information (40 CFR 302.4)
Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act

S Toxic Substance Control Act (TSCA) ..... All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

15. OTHER INFORMATION

Rohm and Haas Hazard Rating (Rating are based on Rohm and Haas guidelines, and are intended for internal use.

Scale
4= Extreme
3= High
2= Moderate
1= Slight
0= Insignificant

Toxicity 1
Fire 0
Reactivity..... 0
Special ..... -

HMIS Hazard Ratings

Health 1
Flammability..... 0
Reactivity..... 0
Personal Protection ..... See section 7