



Ultra Aphronizer™ MSDS

1. Identification

Product identifier	Ultra Aphronizer™	
Recommended use	Surfactant	
Recommended restrictions	For industrial use only.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	M&D Industries of La, Inc.	
Address	502 Richland Avenue Lafayette, LA 70508 USA	
Telephone	Toll free (US) 800-772-6833	Outside the US 01-337-984-0471

2. Hazard(s) identification

GHS Classification and Label Elements:

Health	Physical	Environmental
Skin Irritation (2) Eye Irritation (2B)	Not Classified	Acute Aquatic Toxicity (1)

Hazard Statements:

H315 Causes skin irritation H320
Causes eye irritation. H400 Very
toxic to aquatic life.

Precautionary Statements:

P264 Wash any affected areas of skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 +
P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and
easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label.) P332 +
P315 If skin irritation occurs: Get immediate medical advice/attention. P337 + P313
If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse. P273
Avoid release to the environment.
P391 Collect spillage
P501 Dispose of contents/container to an approved waste disposal plant.

Signal Word: WARNING!





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3. Composition/information on ingredients

Chemical Name	CAS Number	%
Water	7732-18-5	60-70
Proprietary	N/A	10-20
Proprietary	N/A	5-10
Proprietary	N/A	5-10
Sodium Chloride	7647-14-5	<10
Hexylene Glycol	107-41-5	1-2

4. First-aid measures

- EYES** Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.
- SKIN (DERMAL)** Remove contaminated clothing and rinse affected area of skin with large amounts of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs consult a physician.
- SWALLOWING (INGESTION):** Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.
- BREATHING (INHALATION):** . Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

5. Fire-fighting measures

Extinguishing Media

Suitable Extinguishing Media Water mist, foam, dry powder, CO2.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Product

Combustible Liquid. Vapors or mist may be a fire and explosion hazards when exposed to high temperature or ignition. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

Special Protective Equipment and Precautions for Fire-fighters

Wear a self-contained breathing apparatus

6. Accidental release measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Cleanup personnel must use appropriate personal protective equipment. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Remove all sources of ignition, including flames, heat, and sparks.



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7. Handling and storage

Precautions for Safe Handling

Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapour. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for Safe Storage

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

8. Exposure controls/personal protection

Avoid inhaling aerosols and vapors.

Avoid contact with eyes and skin.

Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Appropriate Engineering Controls

Additional information about design of technical systems: No further data; see section 7.

· Control parameters:

· Components with occupational exposure limits:

107-41-5 Hexylene Glycol

PEL Long-term value: 1900 mg/m³, 1000 ppm

REL Long-term value: 1900 mg/m³, 1000 ppm

TLV Short-term value: 1880 mg/m³, 1000 ppm

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

· Exposure controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

Rubber gloves.

Respiratory Protection



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In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties

Physical state	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
pH	7.5 - 9
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	>155 °F (>68.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	>= 8-8.7 lb/gal
Percent volatile	Not available.

10. Stability and reactivity

Reactivity

Hazardous polymerization does not occur.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Incompatible Materials

Heat, flame, strong oxidizers, strong acids.

Hazardous Decomposition Products

Carbon dioxide and carbon monoxide may form when heated to decomposition.

11. Toxicological information

EYES:..... Causes minimal eye irritation at 10% actives.

SKIN:Rabbit LD50: >2000 mg/kg

INGESTION:Rat LD50: 2335 mg/kg



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Information on toxicological effects:

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

107-41-5 Hexylene Glycol

Oral LD50 7060 mg/kg (rat)

Remarks: Lungs, Thorax, or Respiration: Other changes.

Carcinogenicity - Mouse - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors.

Blood: Lymphomas including Hodgkin's disease.

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Heart - Irregularities - Based on Human Evidence

Central nervous system - Breathing difficulties - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

Exhalative LC50/4 h 20000 mg/l (rat)

LC50/96 hours 12900-15300 mg/l (Trout)

- Primary irritant effect:

- On the skin: Irritant to skin and mucous membranes.

- On the eye: Irritating effect.

- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

41.2.4

Irritant

- Carcinogenic categories:

- IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

- NTP (National Toxicology Program):

None of the ingredients are listed.

- OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

Serious Eye Damage/Irritation

Causes eye irritation.

12. Ecological information

ENVIRONMENTAL FATE AND DISTRIBUTION:

EC50 Algae: 2.4 mg/l 72 hours

EC50 Crustacea: 1.9 mg/l 48 hours

LC50 Fish: 1.75 - 10 mg/l 96 hours

- Toxicity:

- Aquatic toxicity:

107-41-5 Hexylene Glycol

EC50 34900 mg/l (daphnia)

- Persistence and degradability: No further relevant information available.

- Behavior in environmental systems:

- Bioaccumulative potential: No further relevant information available.

- Mobility in soil: No further relevant information available.

- Additional ecological information:

- General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment:

- PBT: Not applicable.

- vPvB: Not applicable.



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13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

US DOT Not Regulated
 IATA (Air) Not Regulated
 IMO (Marine) Not Regulated
Special Precautions Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
 Not applicable

15. Regulatory information

Safety, Health and Environmental Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Hazard categories:

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No.

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

SARA Title III Chemical Listings:

CHEMICAL INVENTORY STATUS: USA (TSCA) Australia (AICS) Canada (DSL) China (EICS)
 Europe (EINECS) Japan (ENCS) Korea (ECL) New Zealand (NZIOC) Philippines (PICCS)

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 302.

SARA HAZARD CATEGORIES (40 CFR 370)Chronic

SARA TOXIC SUBSTANCES (40 CFR 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

CLEAN WATER ACTHazardous

CERCLA RQ/SUPERFUND (40 CFR 117, 302)No product components are listed



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16. Other information, including date of preparation or last revision

Issue date 09-30-2019

Revision date 01-29-2023

Version # 02

Disclaimer

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We can not make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.