

Blast Sprayable/Injectable

Revision: 1.1 US

Issuing date: 5.15.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier on label**

Blast Sprayable/Injectable

Use

To reduce bicarbonates in water and carbonates in soil.

Supplier or Manufacturer

Aquatrols Corporation of America
 1273 Imperial Way
 Paulsboro, NJ 08066
 Phone number: 1-856-537-6003
 sds@aquatrols.com

Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
 CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification**Signal Word (OSHA)**

Danger

Hazard Statements

H301 – Toxic if swallowed
 H314 – Causes severe skin burns and eye damage

Hazard Symbols**Precautionary Statements**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Product Composition

Chemical Name	CAS Number	Concentration
Mineral Acid Salt of Organic Amide	506-89-8	50-100%
Inert Components	Mixture	<50%

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SECTION 4: First aid measures

General Information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore, medical observation is recommended for at least 48 hours after exposure.

First Aid Response:

- Inhalation:** In case of unconsciousness place patient stably in side position for transportation.
Ingestion: Immediately call a doctor. Drink copious amounts of water and provide fresh air.
Eye Contact: Rinse opened eye for several minutes under running water. Call a doctor immediately. Remove contact lenses, if present. Hold eyelids apart and flush with water for at least 15 minutes.
Skin Contact: Immediately wash with soap and water and rinse thoroughly.

SECTION 5: Firefighting measures**Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media include CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

No further relevant information available.

Special protective equipment and precautions for firefighters

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental release measures**Personal precautions, protective equipment, and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions

Do not allow undiluted product to enter storm sewers/surface or ground water.

Methods and materials for containment and cleaning up

Control the spill at its source. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.

SECTION 7: Handling and storage**Precautions for safe handling**

Ensure adequate ventilation/exhaustion at the workplace. Prevent formation of aerosols or mists.

Conditions for safe storage, including any incompatibilities

Store in the original labeled container in a cool place away from direct sunlight, heat or freezing conditions.

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8: Exposure controls/personal protection
Control parameters
Exposure

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls
Respiratory

Not normally required. In case of brief exposure, mist/aerosol/dust generation or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Eyes

Tightly sealed goggles.

Skin

Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Ingestion

Wash hands before breaks and at the end of work. Avoid contact with the skin and eyes. Wash thoroughly with soap and water after handling.

Engineering Controls Not normally required.

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 eyes and skin.

SECTION 9: Physical and chemical properties

Appearance	Amber Liquid
Odor	Characteristic
Odor threshold	Not Measured
pH value at 20C/68F	< 1.0
Melting point/freezing point (C)	Not measured
Initial boiling point and boiling range (C)	100C (212F)
Flash Point	>93C (>199F)
Evaporation rate (Ether = 1)	Not measured
Flammability (solid, gas)	Not measured
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not measured Upper Explosive Limit: Not measured
Vapor pressure (Pa)	23 hPa (17mm Hg)
Vapor density	Not measured
Specific Gravity	1.06-1.08
Partition coefficient n-octanol/water (Log Kow)	Not measured
Auto-ignition temperature (C)	Product is not self-igniting
Decomposition temperature (C)	Not measured
Viscosity (cSt)	Not measured
VOC%	0.1%

Other information

No other relevant information.

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SECTION 10: Stability and reactivity

Reactivity	Not chemically reactive.
Chemical stability	Stable for 2 years under normal ambient and anticipated conditions of use.
Possibility of hazardous reactions	Hazardous reactions not anticipated.
Conditions to avoid	Avoid storage at high temperatures or freezing conditions.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	No dangerous decomposition products known.

SECTION 11: Toxicological information

Acute Toxicity	Not established
Primary Irritant Effect	On the skin: Caustic effect on the skin and mucous membranes. On the eye: Strong caustic effect.
Sensitization	No sensitizing effects known.
Additional toxicological information	The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Corrosive Swallowing will lead to strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogen categories

IARC (International Agency for Research on Cancer)
CAS# 111-76-2 Name: 2-butoxyethanol Amount Present: 0.119%

NTP (National Toxicology Program)
No ingredient above the minimis level is listed.

SECTION 12: Ecological information

<u>Aquatic toxicity</u>	No further relevant information available.
<u>Persistence and degradability</u>	No further relevant information available.
<u>Behavior in environmental systems</u>	No further relevant information available.
<u>Bioaccumulative potential</u>	No further relevant information available.
<u>Mobility in soil</u>	No further relevant information available.
<u>General Notes</u>	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low-water dangerous.
<u>Results of PBT and vPvB</u>	Not applicable.

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SECTION 13: Disposal considerations

Waste Disposal Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.

Container Disposal Disposal must be made in accordance with local, state and federal regulations. Recommended cleansing agent: Water, if necessary, with cleansing agents.

SECTION 14: Transport information**UN Number**

DOT Not regulated if shipped in non-aluminum containers (49 CFR 173.154 (d))
ADR, IMDG, IATA 3265

UN Proper Shipping Name

DOT Void
ADR 3265 Corrosive Liquid, Acidic, Organic, N.O.S. (Urea Hydrochloride)
IMDG, IATA Corrosive Liquid, Acidic, Organic, N.O.S. (Urea Hydrochloride)

Transport Hazard Classes

DOT (Class) Void
ADR, IMDG, IATA Class: 8 Corrosive Substances; Label: 8

Packing Group

DOT Void
ADR, IMDG, IATA III

Environmental Hazards

Marine pollutant No

Special Precautions for User Warning: Corrosive substances

Danger code (Kemler): 80

EMS Number R-A, S-B

Segregation groups Acids

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

Transport/Additional Information

Remarks Corrosive to aluminum, Excepted per 49 CFR 173.154 (d)(1).

UN "Model Regulation" UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., 8, III

SECTION 15: Regulatory information**HMIS Hazard Rating**

Health 3
 Flammability 1
 Reactivity 0

NFPA Hazard Ratings

Health 3
 Flammability 1
 Reactivity 0

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Safety, health and environmental regulations/legislation specific for the substance or mixture**SARA**

Section 355 (Extremely Hazardous Substances) No ingredient above de minimis level is listed
Section 313 (Toxic Chemical Listings) 0.119% 2-butoxyethanol; CAS# 111-76-2

Toxic Substance Control Act (TSCA) All components of this material are on the US TSCA Inventory or are exempt

Carcinogen categories

EPA (Environmental Protection Agency) 0.119% 2-butoxyethanol; CAS# 111-76-2
TLV (Threshold Limit Value established by ACGIH) 0.119% 2-butoxyethanol; CAS# 111-76-2
NIOSH-Ca (National Institute for Occupational Safety and Health) No ingredient above de minimis level is listed
NIOSH-Ca (Occupational Safety and Health Administration) No ingredient above de minimis level is listed

GHS Label Elements This product is classified and labeled according to the Globally Harmonized System (GHS)
Hazard Pictograms GHS05, GHS06
Signal Word Danger

Hazard-Determining Components of Labeling: Mineral Acid Salt of Organic Amide

Hazard Statements

Toxic if swallowed
 Causes severe skin burns and eye damage

Precautionary Statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.