

SAFETY DATA SHEET

Issue Date: 12-JULY-22

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Version: 1

1. SECTION TITLE

Product Identifier

Product Name BallistiX Obliterate

Other means of identification

UN/ID No. UN1760

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Cleaning

Details of the supplier of the safety data sheet

Meghans Supply & Design
11720 Main Street, Suite 120
Fredericksburg, VA 22408
United States

Emergency Telephone Number

Company Phone: 540-940-6698
Emergency Phone (24 hr): INFOTRAC 1-352-323-2500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear Pale Yellow Liquid

Physical State Liquid

Odor Mild

Classification

Acute toxicity - Oral
Specific target organ toxicity (single exposure)
Flammable Liquids

Category 2
Category 0
Category 0

Signal Word

Danger

**Hazard Statements**

May be corrosive to metals
 Harmful if swallowed
 Causes skin irritation. Causes severe skin burns and eye damage
 Causes serious eye irritation
 May cause respiratory irritation
 May cause drowsiness or dizziness

**Precautionary Statements - Prevention**

Avoid breathing dust, fume, gas, mist, spray, vapors
 Wash skin thoroughly after handling
 Wear eye protection, face protection, protective clothing, protective gloves

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation occurs: Get medical advice/attention.
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

None.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Hazards

None.

Unknown Acute Toxicity

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
MonoEthanolamine	141-43-5	<2.0
Glycol Ether EB	111-76-2	9-10
Sodium MetaSilicate	6834-92-0	0.3-0.6

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.



4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
Skin Contact	Wash with soap and water. Consult a doctor if skin irritation is permanent.
Inhalation	Remove to fresh air. Get medical attention if discomfort persists.
Ingestion	If swallowed, rinse mouth with water. Do not induce vomiting. Get immediate medical attention.

Most important symptoms and effects

Symptoms	May cause skin and eye irritation. Ingestion may cause abdominal pain and vomiting. Liver damage may also occur.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat as isopropyl alcohol poisoning.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Vapors can travel to a source of ignition and flash back. Do not reuse container without commercial cleaning or reconditioning.

Hazardous Combustion Products: Carbon Monoxide may be produced. Carbon Dioxide may be produced.

Sensitivity to Static Discharge Keep away from sparks and static electricity.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus pressure demand (MSHA/NIOSH) approved or equivalent and full protective gear. Water spray to cool containers or protect personnel. Water runoff can cause environmental damage. Dike and collect water Used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required. Eliminate all ignition sources.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Avoid runoff into storm sewers or ditches which lead to waterways.
Methods for Clean-Up	Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area thoroughly. Clean up in accordance with all applicable regulations. Dispose of in accordance with federal, state and local regulations.



7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Use in well ventilated areas. Avoid breathing vapors, fume or mist. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, spark and flames. Protect from direct sunlight.

Incompatible Materials

Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
MonoEthanolamine	TWA: 3 ppm	TWA: 3 ppm	
Glycol Ether EB	TWA: 20ppm	TWA: 50ppm	
Sodium MetaSilicate	STEL: 100ppm	TWA: 150ppm	

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Chemical splash goggles or face shield (ANSI Z87.1 or equivalent)

Skin and Body Protection

Wear impervious gloves and appropriate clothing to prevent any contact, repeated or prolonged skin contact. Wear protective gear as needed – apron, suits, boots.

Respiratory Protection

In case of airborne mist or spray, wear respiratory protection that meets OSHA 1910.134 and ANSI Z88.2 requirements.

General Hygiene Considerations

Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke in areas where this product is used.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild Detergent
Appearance	Colorless Pale Yellow Liquid	Odor Threshold	Not determined
Color	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	12.5	
Melting Point/Freezing Point	32.0°F	
Boiling Point/Boiling Range	100.0°C / 212.0°F	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	No	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.998g/ml	
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	16.0 g/L	

10. STABILITY AND REACTIVITY

Reactivity

Non reactive.

Chemical Stability

Stable.

Possibility of Hazardous Reactions

None.

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to Avoid

Keep out of reach of children. Avoid contact with acids, ammonia, strong oxidizing agents, amines, metals and bases.

Incompatible Materials

Avoid contact with acids, ammonia, strong oxidizing agents, amines, metals and bases.

Hazardous Decomposition Products

During combustion carbon monoxide or carbon dioxide may be formed. May form peroxides of unknown stability.



11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes. Causes serious irritation to eyes. Exposure to eyes may cause burns to eyelids, conjunctivitis, corneal edema, corneal burn and damage to the internal content of the eye.
Skin Contact	Avoid contact with skin. Causes skin: irritation, redness, burning, swelling, blister formation, first degree burns, second degree burns, and third degree burns.
Inhalation	Avoid breathing vapors or mists. Vapors can cause irritation of the respiratory tract, headache, nausea, weakness, lightheadedness, and stupor (CNS depression).
Ingestion	Harmful if swallowed. Exposure by ingestion may cause irritation, swelling, perforation of upper and lower gastrointestinal tissues, weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma. Overexposure may damage central nervous system, lungs, liver and kidneys.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
MonoEthanolamine	1720 mg/kg (Rat)	1000 mg/kg (Rabbit)	none
Glycol Ether EB	1746 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.0 mg/L (7 hrs Dog)
Sodium MetaSilicate	1152 mg/kg (Rat)	5000 mg/kg (Rat)	2.06 g/cm3 (Rat)

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
STOT - single exposure	None.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity	None.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Not considered immediately toxic to aquatic life.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycol Ether EB	No Data	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through	No Data	No Data



Persistence/Degradability

Not readily biodegradable.

Bioaccumulation

Not determined.

Mobility

Chemical Name
N/A

Partition Coefficient
N/A

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name

RCRA

RCRA - Basis for Listing

RCRA - D Series Wastes

RCRA - U Series Wastes

N/A

No Data

California Hazardous Waste Status

Chemical Name
N/A

California Hazardous Waste Status
N/A

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No

UN1760

Proper Shipping Name

Corrosive Liquid

Hazard Class

8

Packing Group

III

IATA

UN/ID No

UN1760

Proper Shipping Name

Corrosive Liquid

Hazard Class

8

Packing Group

III

IMDG

UN/ID No

UN1760

Proper Shipping Name

Corrosive Liquid

Hazard Class

8

Packing Group

III

Marine Pollutant

This material may meet the definition of a marine pollutant



15. REGULATORY INFORMATION

International Inventories

TSCA All ingredients are listed or exempt from listing on Chemical Substance Inventory
DSL Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
N/A		N/A	

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No
2-butoxyethanol	111-76-2
1,2 ethanediol	107-21-1
1-butanol	71-36-3

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
None	N/A

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
N/A	N/A	N/A	N/A

**16. OTHER INFORMATION****NFPA****Health Hazards**

2

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

Disclaimer

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. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet