

GRENADE FLOW PACK



11720 Main St, Suite 120
Fredericksburg, VA 22408
540-940-6698
admin@supplyndesign.com

SAFETY DATA SHEET

1. Product Identifier

Product name: BallistiX Grenade Flow Pack – for increased viscosity & time management

Details of the Manufacturer/Supplier:

Meghan's Supply & Design LLC
11724 Main St. Ste 200, Fredericksburg, VA 22408
Phone: 540.840.9568

EMERGENCY CONTACT NUMBERS: INFOTRAC, INC.
US, Canada & Mexico +1-800-535-5053
International +1-352-323-3500

Product Description: BallistiX Grenade Flow Pack – for increased viscosity & time management

2. Hazard(s) Identification

HMIS RATING:

Health: 1.
Flammability: 3.
Reactivity: 0.

Classification of the Substance/Mixture: FLAMMABLE LIQUID, n.o.s.

Signal Word: WARNING!

Hazard Statement: May cause skin irritation. Harmful if inhaled. May cause respiratory irritation. Will emit vapors of Methanol if seal is broken and mixture is exposed to moisture.

Hazard Pictograms:



Precautionary Statements: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection equipment as required. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally.

Hazards Not Otherwise Classified: None known.

3. Composition/Information on Ingredients

Substance/Mixture: Proprietary Mixture.

CAS Number	Wt%	Components	Exposure Limits
67-63-0	>50%	Isopropyl Alcohol	TWA 200 ppm, STEL 400 ppm
Proprietary Mixture	<50%	Propanol	None established

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4. First-Aid Measures

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

Skin Contact: No first aid should be needed. Wash with soap and water.

Eye Contact: Immediately flush with water for 15 minutes.

Ingestion: Get medical attention. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light.

Comments: Treat same as Methyl Alcohol poisoning.

5. Fire-Fighting Measures

Flash Point: 53.0°F (12.0°C).

Extinguishing Medium: Carbon Dioxide (CO₂), Water Fog, Dry Chemical.

Unsuitable Extinguishing Medium: Water, (closed containers may be cooled).

Fire Hazards: Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as bonding and grounding, inert gas purge, vapor dilution and the like. Vapors are heavier than air and can travel along the ground to remote ignition sources.

Unusual Fire Hazards: None.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate the area in cases of overheating or fire.

Flammable Limits in Air: LEL: 2.0% UEL (200°F): 12.7% Volume percent.

Incompatibility: (Materials to avoid): heat, sparks, open flame.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment as recommended in Section 8.

Methods and Materials for Containment and Clean Up: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions; or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

7. Handling and Storage

Precautions for Safe Handling: No special precautions as long as containers are undamaged. Product evolves flammable Methyl Alcohol when exposed to moisture or humid air. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally. No eating, drinking, smoking, or hot work in area.

Precautions for Safe Storage: Keep container closed and stored away from heat, sparks and open flame. Keep container closed and stored away from moisture or water.

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8. Exposure Controls/Personal Protection

Exposure Limits:

Components	Exposure Limits
Isopropyl Alcohol	TWA 200 ppm, STEL 400 ppm
Propanol	None established

Engineering Controls: Local ventilation recommended.

Individual Protection Measures:

Eye Protection: OSHA approved safety glasses with side shields at a minimum.

Skin Protection: Washing at mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.

Respiratory Protection: Respiratory protection is not required provided adequate local exhaust ventilation is provided per recommended exposure guidelines. Avoid enclosed spaces for mixing or applying. When needed, use respiratory protection NIOSH ½ face, black cartridge, at a minimum.

Personal Protective Measures: Eye-wash station (bottle) should be within direct access of work area. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical State: Liquid.

Appearance: Clear.

Odor: Strong Odor (rubbing alcohol).

pH: Not Applicable (non-aqueous).

Solubility in Water: Complete.

Boiling Point: Miscible blend, approximately 181°F (83°C).

Specific Gravity: @ 68°F (20°C): 0.785.

VOC Content: 99.95%.

10. Stability and Reactivity

Reactivity: NA.

Chemical Stability: Stable.

Other:

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction; acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.

11. Toxicological Information

Acute Health Effects:

Inhalation: Vapor may irritate nose and throat. Overexposure may cause drowsiness.

Ingestion: Product contains small amounts of Methyl Alcohol which may cause nausea, vomiting, abdominal pain, flushing of the face, hypotension, weakness and loss of consciousness if large amount of product is swallowed.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

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Prolonged/Repeated Exposure Effects:

Inhalation: Product generates Methyl Alcohol when exposed to moisture, which may cause blindness and damage to nervous system.

Ingestion: Product generates Methyl Alcohol, which may cause blindness and possibly death, if swallowed.

Skin Contact: May cause irritation, dermatitis.

Eye Contact: May cause irritation; blindness.

Signs and Symptoms of Exposure:

Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

Special Hazards:

Carcinogens: None known.

Mutagens: None known.

Teratogens: None known.

Reproductive Toxins: None known.

Sensitizers: None known.

12. Ecological Information

Not Applicable.

13. Disposal Considerations

Disposal Methods: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions, or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

RCRA Hazard Class (40 CFR 261):

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:

Ignitable: D001.

Observe all State or Local Laws pertaining to this class. Local laws may impose additional requirements.

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging:

Recommendation: Disposal must be made according to official regulations.

AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 8.

14. Transport Information

UN Number: UN 1219.

UN Proper Shipping Name: Isopropanol.

Transport Hazard Class: 3.

Packing Group: II.

Environmental Hazard Name: FLAMMABLE LIQUID, n.o.s.

DOT Information: (49 CFR 172.101).

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15. Regulatory Information

EPA SARA Title III Chemical Listings:
Section 313 Toxic Chemicals:

CAS Number	Wt%	Component Name
67-63-0	1%	Isopropyl Alcohol