

Copperhead Chemical Company


# Safety Data Sheet Cover Page

Chemical Name: X-E-5

*This cover page supplements any previous cover page.  
Retain it as the first page of the Safety Data Sheet*

<p><b>MASTER</b></p> <p><b>Effective Date: MAY 26 2023</b></p>	<input type="checkbox"/> New SDS <input checked="" type="checkbox"/> Updated SDS
	<p><b>Pages: 1 of 16</b>  <b>Revision: 05/25/2023</b></p>

SOP Reading/Document Review Record must accompany the distribution:  Yes  No

Approval:  Date: 5/25/23  
SHE Supervisor

**Distribution:**

	Boiler House		Pharmaceutical Blending Facility
x	Main Gate	✓	Site Services
	Maintenance		Storeroom
✓	Mix & Pack Facility	✓	Tamaqua Analytical Laboratory
	Nitrator Area		
	Pharmaceutical Warehouse- 972, 979, & 999		

## 1. IDENTIFICATION

<b>Product Identifier:</b>	<b>X-E-5</b>
<b>Alternate Names:</b>	Nitroglycerin in acetone NG in acetone
<b>Intended use:</b>	Propellant ingredient
<b>Manufacturer:</b>	Copperhead Chemical Company® Inc. 120 River Road Tamaqua, PA 18252 USA
<b>Emergency Contacts:</b>	<b>CHEMTREC (USA)</b> (800) 424-9300 <b>CHEMTREC (INTERNATIONAL)</b> +1 703-741-5970 <b>Copperhead Chemical Company® Inc.</b> (888) 742-4506

## 2. HAZARD(S) IDENTIFICATION

**Classification of the substance or mixture:**

Expl. 1.1;H201	Explosive; mass explosion hazard.
Flam. Liq. 2;H225	Highly Flammable liquid and vapor.
Acute Tox. 4;H302	Harmful if swallowed.
Eye Irrit. 2;H319	Causes serious eye irritation.
Skin Sens. 1;H317	May cause an allergic skin reaction.
STOT SE 3;H336	May cause drowsiness or dizziness.
STOT RE 1;H372	Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2;H411	Toxic to aquatic life with long lasting effects. (Not adopted by US OSHA)

**GHS Label Elements:**



**Danger**

**Hazard Statements:**

H201 Explosive; mass explosion hazard.  
H225 Highly flammable liquid and vapor.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

**Prevention Statements:**

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P230 Keep wetted with acetone.  
P235 Keep cool.  
P240 Ground / bond container and receiving equipment.  
P241 Use explosion-proof electrical / ventilating / light / equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P250 Do not subject to grinding / shock / impact / friction.  
P260 Do not breathe dust / fume / gas / mist / vapors / spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection / face protection.

**Response Statements:**

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P302+352 IF ON SKIN: Wash with plenty of soap and water.  
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P304+340 IF INHALED: Remove person to fresh air, keep at rest in a position comfortable for breathing.  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P314 Get Medical advice / attention if you feel unwell.  
P330 Rinse mouth.  
P333+313 If skin irritation or a rash occurs: Get medical advice / attention.  
P337+313 If eye irritation persists: Get medical advice / attention.  
P363 Wash contaminated clothing before reuse.  
P372 Explosion risk in case of fire.  
P373 DO NOT fight fire when fire reaches explosives.  
P380 In case of fire, evacuate area.  
P391 Collect spillage.

**Storage Statements:**

P401 Store in accordance with applicable regulations.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal Statements:**

P501 Dispose of contents / container in accordance with local / national regulations.

**Hazards not otherwise classified:**

Prolonged or repeated exposure may result in irritation and dermatitis.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Nitroglycerin (Glycerol Trinitrate) CAS Number: 55-63-0	57 to 60	Acute Tox. 4;H302 Skin Sens. 1;H317 STOT SE 1;H370 STOT RE 2;H373 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Expl. 1.1;H201	[1][2]
2-Propanone (Acetone) CAS Number: 67-64-1	40	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Ethyl centralite (EC) CAS Number: 85-98-3	0 to 3	Acute Tox. 4;H302 Aquatic Chronic 3;H412	[1]
N-Methyl-4-nitroaniline (MNA) CAS Number: 100-15-2	0 to 3	Acute Tox. 3;H301 Acute Tox. 3;H311 Acute Tox. 3;H331 STOT RE 2;H373	[1]
2-Nitrodiphenylamine (2NDPA) CAS Number: 119-75-5	0 to 3	Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335	[1]
3-methyl-1, 1-diphenylurea (Akardite II) CAS Number: 13114-72-2	0 to 3	Eye Irrit. 2;H319	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

H201 Explosive; mass explosion hazard.

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness and dizziness.  
H370 Causes damage to organs.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

This product contains desensitized explosives.  
This product contains up to 3% of ingredients of unknown acute toxicity.

#### 4. FIRST AID MEASURES

##### Description of first aid measures:

- General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air, keep patient warm and at rest. If breathing has stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention.
- Eyes:** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water.
- Ingestion:** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

##### Most important symptoms and effects, both acute and delayed:

- Overview:** Contact with the product by all routes of entry may cause vasodilation, headache, nausea, lightheadedness and hypotension. Extreme exposure can result in fatigue, confusion, convulsions, methemoglobinemia, cyanosis, respiratory paralysis, bradycardia, circulatory collapse or death.
- Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis.

**Symptoms of Exposure:**

**Inhalation:** Extreme exposure may lead to central nervous system effects (drowsiness, nausea, headaches, paralysis, loss of consciousness and death).

**Eyes:** Contact with the eyes causes serious irritation.

**Skin:** Prolonged or repeated exposure may result in irritation and dermatitis. May be a sensitizer.

**Ingestion:** Harmful if swallowed. May produce central nervous system effects (dizziness, loss of balance and coordination, unconsciousness coma and death)

**Chronic Effects:** Overexposure may damage lungs, liver and kidneys.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media: DO NOT FIGHT FIRES INVOLVING EXPLOSIVES!**

**Special hazards arising from the substance or mixture:**

**PRODUCT IS AN EXPLOSIVE SUBSTANCE WITH FLAMMABLE VAPORS!**

**SEVERE EXPLOSION HAZARD!** Explosion can be caused by fire, sparks, excessive heat, impact, shock or friction. Risk of explosion increases with large quantities or confinement by tanks, drums, or other closed containers.

**DO NOT FIGHT FIRES INVOLVING EXPLOSIVES!** Separation of the explosive from the desensitizer, whether by extraction, evaporation, or any other means, is EXTREMELY HAZARDOUS. Contacting the product with water will separate the explosive from the desensitizer and concentrate the explosive. Keep containers closed. Undiluted explosive, even in small amounts, is an extreme explosion hazard. Explosion of undiluted or concentrated explosive may be caused by fire, sparks, excessive heat, impact, friction or shock. The explosive hazards of residual product or concentrated explosive may remain after the fire is extinguished and must be addressed before beginning any investigation or clean-up activities.

Possible toxic smoke, vapors, fallout and runoff water can result from fires depending on extent of combustion and presence of other combustible materials. Contaminated buildings, areas, and equipment must be properly decontaminated before reuse.

**Advice for fire-fighters:**

**DO NOT FIGHT FIRES INVOLVING EXPLOSIVES!** Immediately evacuate the area to a safe distance. Utilize fixed extinguishing equipment and wear full protective clothing including SCBA when

protecting surrounding structures. Avoid activities that may separate the nitroglycerin from the desensitizer.

ERG Guide No. 112

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

All operations should be performed by trained personnel familiar with the hazards and necessary precautions. Evacuate the area to a safe distance and prevent unnecessary personnel from entering the area. Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing. Dispose of contaminated articles or wash them thoroughly before reuse.

**Environmental precautions:** Do not allow spills to enter drains or waterways.

### Methods and material for containment and cleaning up:

It is recommended that prior to any spill, a RCRA permitted Treatment, Storage and Disposal Facility be consulted for the proper containers and absorbents to be used. Notify safety personnel and utilize personnel trained in the clean-up of products containing explosives. Do not subject product to fire, sparks, excessive heat, impact, friction or shock. Eliminate sources of ignition and ventilate spill area. Stop the leak if it is possible to do so without risk. Desensitize the spilled material with a compatible, miscible solvent. Use non-abrasive absorbents such as wipes or pads.

**Caution!**        **The presence or addition of abrasives or grit increases the risk of explosion caused by friction.**

**Caution!**        **Evaporation of the solvent will increase the concentration of the explosive and increase the risk of explosion.**

Take up the liquid before the solvent evaporates. Place the used absorbents in closed containers with bag liners to prevent evaporation of the solvent. After the spilled material is taken up, the spill area may be treated with fresh nitroglycerin destroyer.

**Caution!**        **Nitroglycerin destroyer contains a flammable component and liberates poisonous gas.**

Nitroglycerin destroyer is made by mixing three parts by volume of Solution A with one part of Solution B, where Solution A is three parts by volume of ethanol with one part acetone and Solution B is 480 grams of 60% technical grade sodium sulfide in 1500 ml of water. Solution A is a flammable liquid and Solution B will react to liberate poisonous hydrogen sulfide gas. Remove all sources of ignition and ventilate spill area. Follow precautions on the supplier's material safety data sheets for the ingredients in Solutions A and B. Apply the nitroglycerin destroyer to the contaminated area. Some bubbling will occur and the mixture will turn yellow. When the reaction appears complete, mop it up with a cloth or sponge. Repeat until no color change

occurs. Small quantities of hydrogen sulfide gas are evolved during the reaction. Provide adequate ventilation or an approved respirator for hydrogen sulfide (TLV 10 ppm). The cloth or sponge should be disposed of properly. Nitroglycerin destroyer is intended to be used only to destroy thin films of nitrate esters. The heat of reaction makes destruction of larger amounts by this method hazardous.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

**DANGER! SEVERE EXPLOSION HAZARD.** Do not subject product to fire, sparks, excessive heat, impact, friction or shock. All operations should be performed by trained personnel familiar with the hazards and necessary precautions. Follow procedures specified in the National Fire Protection Association Codes and Standards for handling flammable liquids. Handle in well ventilated area designed for processing explosives. Observe exposure limits. Avoid contact with the product and avoid breathing vapors or aerosols. Avoid operations that could increase the concentration of the explosive or separate the explosive from the desensitizer. Separation of the explosive from the desensitizer, whether by extraction, evaporation, or any other means, is EXTREMELY HAZARDOUS. Contacting the product with water will separate the explosive from the desensitizer and concentrate the explosive. Keep containers closed. Undiluted explosive, even in small amounts, is an extreme explosion hazard. Explosion of undiluted or concentrated explosive may be caused by fire, sparks, excessive heat, impact, friction or shock. Non-sparking tools and equipment are recommended. Equipment should be bonded and grounded. Avoid operations that could generate electrostatic charges. Do not eat, drink, use tobacco products, apply cosmetics, or take medications in areas where this product is handled. Wash hands and face thoroughly with soap and water after handling and prior to eating, drinking, using tobacco products, applying cosmetics or taking medications. Thorough showering and changing into fresh clothes at the end of the work shift is strongly recommended. Launder work clothes daily or use disposable coveralls. Wash work clothes separately from other laundry.

### Conditions for safe storage:

Handle containers carefully to prevent damage and spillage. Product should be stored in closed containers in a licensed, explosives storage magazine according to local, state and federal regulations. Store separate from incompatible materials. Product may become acidic as it ages. The pH and stabilizer content should be monitored regularly and the product should be destroyed or reprocessed if there is an indication of progressive degradation.

**Incompatible materials:** Water, oxidizers, acids and bases



## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Limits:** No applicable information was found for the mixture. Information about the ingredients is provided as a guide.

CAS No.	Ingredient	Source	Value
55-63-0	Nitroglycerin	OSHA	C 0.2 ppm (2 mg/m <sup>3</sup> ) [skin]
		ACGIH	TWA: 0.05 ppm Skin
		NIOSH	ST 0.1 mg/m <sup>3</sup> [skin]
		Supplier	No Established Limit
67-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m <sup>3</sup> ) STEL 2400 mg/m <sup>3</sup>
		ACGIH	TWA: 250 ppm STEL: 500 ppm Skin
		NIOSH	250 ppm (590 mg/m <sup>3</sup> ) TWA
		Supplier	No Established Limit
85-98-3	Ethyl centralite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
100-15-2	N-Methyl-4-nitroaniline	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
119-75-5	2-Nitrodiphenylamine	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
13114-72-2	Akardite II	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

**Exposure controls:**

- Respiratory:** Occupation exposures from this material should be determined by individuals with experience in industrial hygiene. The selection of appropriate respiratory protective equipment should be based on results from industrial hygiene surveys and respirator manufacturer's specifications and/or recommendations. Nitroglycerin may be absorbed by some types of rubber and this may be a consideration in determining the service life of elastomeric respirator facepieces.
- Eyes:** Wear chemical safety glasses, goggles or face shield appropriate for exposure potential. Wearing contact lenses is not recommended when working with hazardous chemicals.
- Skin:** Users must make the final determination of appropriate protective clothing based on the conditions of use. Use protective clothing which is appropriate for the potential exposure. Any portion of the body which may come in contact with the product should be protected by materials that are impervious to the product under the conditions of use. Remove any contaminated clothing or footwear immediately. Dispose of contaminated articles or thoroughly decontaminate them before reuse. A one piece cotton uniform, conductive foot protection and cotton undergarments with appropriate outer protection is recommended. Clothing and shoes should have no metal fasteners or other items that might subject product to hazardous impact or friction.
- Engineering Controls:** Provide adequate ventilation suitable for flammable vapors. Where practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Do not allow explosives to accumulate in the exhaust system. If ventilation is not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing. Discard contaminated articles or wash them thoroughly before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to pale yellow liquid
Odor	Sweet, pungent
Odor threshold	No applicable information found
pH	No applicable information found
Melting point / freezing point	< -60°F
Initial boiling point and boiling range	No applicable information found
Flash Point	No applicable information found
Evaporation rate (Ether = 1)	No applicable information found
Flammability (solid, gas)	No applicable information found
Upper/lower flammability or explosive limits	No applicable information found
Vapor pressure	No applicable information found
Vapor Density	> 1
Specific Gravity	> 1
Solubility in Water	No data for mixture, acetone = complete, NG = slight
Partition coefficient n-octanol/water (Log Kow)	No applicable information found
Auto-ignition temperature	No applicable information found
Decomposition temperature	No applicable information found
Viscosity (cSt)	No applicable information found

## 10. STABILITY AND REACTIVITY

**Reactivity:** Explosive, see Sections 5 and 7 for additional details. Hazardous Polymerization will not occur.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No applicable information found.

**Conditions to avoid:** Avoid fire, sparks, excessive heat, impact, friction, shock and direct sunlight. Avoid operations that could increase the concentration of the explosive or separate the explosive from the desensitizer. Undiluted explosive, even in small amounts, is an extreme explosion hazard.

**Incompatible materials:** Water, acids, bases and oxidizers.

**Hazardous decomposition products:** High temperatures and fires may produce such toxic substances as nitrogen oxides, carbon monoxide, carbon dioxide, low molecular weight hydrocarbons and organic acids.

## 11. TOXICOLOGICAL INFORMATION

**Routes of exposure:** Skin contact, eye contact, inhalation, ingestion and injection are potential routes of exposure. This product can be absorbed through the skin.

**Symptoms of exposure:** See Section 4.

**Acute toxicity:** No applicable information was found for the mixture. Information about the ingredients is provided as a guide.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Nitroglycerin (55-63-0)	685.00, Rat - Category: 4	9,560.00, Rat - Category: NA	No applicable information found	No applicable information found	No applicable information found
Acetone (67-64-1)	5800.00, Rat - Category: N/A	7426.00, Guinea Pig - Category: N/A	76.00, Rat - Category: NA	No applicable information found	No applicable information found
Ethyl centralite (85-98-3)	780.9, Rat	2,000, Rat	No applicable information found	No applicable information found	No applicable information found
N-Methyl-4-nitroaniline (100-15-2)	No applicable information found	No applicable information found	No applicable information found	No applicable information found	No applicable information found
2-Nitrodiphenylamine (119-75-5)	No applicable information found	No applicable information found	No applicable information found	No applicable information found	No applicable information found
Akardite II (13114-72-2)	No applicable information found	No applicable information found	No applicable information found	No applicable information found	No applicable information found

## Acute Toxicity Estimate:

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	1	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

Note: When route specific LD50 data was not available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the Acute Toxicity Estimate (ATE).

**Carcinogenic Effects:** This product does not contain any ingredients that are carcinogens or potential carcinogens listed by OSHA, NTP or IARC.

## 12. ECOLOGICAL INFORMATION

**Ecological Toxicity:** Toxic to aquatic life with long lasting effects.

**Aquatic Ecotoxicity:** No applicable information was found for the mixture. Information about the ingredients is provided as a guide.

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Nitroglycerin - (55-63-0)	3.58, Pimephales promelas	11.50, Selenastrum capricornutum	16.48 (72 hr), Ceriodaphnia dubia
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
Ethyl centralite - (85-98-3)	No applicable information found	No applicable information found	No applicable information found
N-Methyl-4-nitroaniline - (100-15-2)	No applicable information found	No applicable information found	No applicable information found
2-Nitrodiphenylamine - (119-75-5)	No applicable information found	No applicable information found	No applicable information found
Akardite II - (13114-72-2)	No applicable information found	No applicable information found	No applicable information found

**Persistence and degradability:** No applicable information found

**Bioaccumulative potential:** No applicable information found

**Mobility in soil:** No applicable information found

**Results of PBT and vPvB assessment:** No applicable information found

## 13. DISPOSAL CONSIDERATIONS

**Description of Waste Residues:** Waste residues of this product are hazardous waste.

**Disposal Method:** Before using the product, consult a RCRA permitted disposal facility regarding arrangements for disposal. All wastes must be disposed in accordance with RCRA hazardous waste regulations. Waste, even small quantities, should never be poured down the drain. Waste residues of the product should be destroyed at a RCRA permitted disposal facility equipped for the destruction of explosives.

**Container Disposal:** The empty product container should be destroyed at a RCRA permitted disposal facility equipped for the destruction of explosives. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product.

#### 14. TRANSPORT INFORMATION

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

UN ID Number: UN0475  
 Proper Shipping Name: Substances, explosive, n.o.s. (Contains nitroglycerin, acetone)  
 Hazard Class: 1.1D

#### 15. REGULATORY INFORMATION

**Regulatory Overview:** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA):** All components of this material are either listed as active or exempt from listing on the TSCA Inventory.

**Section 311/312 hazard categories:**

Flammable (Gases, Aerosols, Liquids, or Solids)	Yes
Gas under pressure	No
Explosive	Yes
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	Yes
Reproductive Toxicity	No
Skin corrosion or irritation	No
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	Yes
Aspiration hazard	No
Germ cell mutagenicity	No
Simple asphyxiant	No
Hazards not otherwise classified	Yes

<b>EPCRA 311/312 Chemicals:</b>	Acetone (RQ: 5,000 lbs) Nitroglycerin (RQ: 10 lbs)
<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	Nitroglycerin
<b>New Jersey RTK Substances (&gt;1%):</b>	Acetone Nitroglycerin
<b>Pennsylvania RTK Substances (&gt;1%):</b>	Acetone Nitroglycerin

## 16. OTHER INFORMATION

**Date Prepared:** 5/25/23

The information contained herein is believed to be accurate and represents the best information currently available to us. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. No warranty, either expressed or implied, of merchantability or fitness for a particular purpose, or of any nature with respect to the product, or to the information, is made herein.

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