

Issue Date 09-May-2023

Revision Date 5-June-2024

Version 3

## 1. IDENTIFICATION

### Product identifier

Product Name 76202

### Other means of identification

Product Code MS-76202

UN/ID no. UN 3082

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Ammunition Sealant.

Uses advised against None known

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Hernon Manufacturing Inc.  
121 Tech Drive  
Sanford, FL 32771  
800-527-0004

### Emergency telephone number

Company Phone Number 407-322-4000

Emergency Telephone Chemtel 800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1A

### Label elements

#### **Emergency Overview**

**Danger**

#### **Hazard statements**

Harmful in contact with skin

Causes severe skin burns and eye damage

May cause an allergic skin reaction

**Appearance** Translucent**Physical state** Liquid**Odor** Mild**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 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  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Chemical Name	CAS No.	Weight-%	Trade Secret
ACRYLIC ESTER	7328-17-8	30 - 60	*
HYDROXYETHYL METHACRYLATE	868-77-9	7 - 13	*
POLYETHYLENE GLYCOL DIMETHACRYLATE	25852-47-5	5 - 10	*
ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE	28961-43-5	5 - 10	*
PHOTOINITIATOR	162881-26-7	3 - 7	*
ACRYLIC ACID	79-10-7	3 - 7	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

None in particular.

**Hazardous combustion products** Irritating organic vapors.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. See section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep at temperatures between 46°F and 82°F (8°C and 28°C).
<b>Incompatible materials</b>	Strong oxidizing agents. Strong reducing agents. Free radical initiators. Inert gases. Peroxides.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACRYLIC ACID 79-10-7	TWA: 2 ppm S*	(vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m <sup>3</sup> (vacated) S*	TWA: 2 ppm TWA: 6 mg/m <sup>3</sup>

#### Appropriate engineering controls

<b>Engineering Controls</b>	Showers Eyewash stations Ventilation systems.
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#### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protective gloves and protective clothing. Wear protective nitrile rubber gloves.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Translucent	<b>Odor threshold</b>	Not applicable
<b>Color</b>	Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Does not apply	Does not apply
<b>Melting point / freezing point</b>	No Information Available	
<b>Boiling point / boiling range</b>	> 94 °C / 201 °F	
<b>Flash point</b>	> 94 °C / 201 °F	

Evaporation rate	No Information Available
Flammability (solid, gas)	No Information Available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No Information Available
Vapor density	No Information Available
Relative density	1.05
Water solubility	Negligible
Solubility in other solvents	No Information Available
Partition coefficient	No Information Available
Autoignition temperature	No Information Available
Decomposition temperature	No Information Available
Kinematic viscosity	No Information Available
Dynamic viscosity	No Information Available
Explosive properties	None known
Oxidizing properties	Not applicable

**Other Information**

Softening point	No Information Available
Molecular weight	No Information Available
VOC Content (%)	Not applicable
Density	No Information Available
Bulk density	No Information Available

**10. STABILITY AND REACTIVITY****Reactivity**

Not applicable

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Incompatible materials.

**Incompatible materials**

Strong oxidizing agents. Strong reducing agents. Free radical initiators. Inert gases. Peroxides.

**Hazardous Decomposition Products**

Irritating organic vapors.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	No known effect based on information supplied.
<b>Eye contact</b>	No known effect based on information supplied.
<b>Skin contact</b>	No known effect based on information supplied.
<b>Ingestion</b>	No known effect based on information supplied.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
DIPROPYLENE GLYCOL DIACRYLATE 57472-68-1	= 4600 mg/kg ( Rat )	-	-
ACRYLIC ACID 79-10-7	= 193 mg/kg ( Rat )	= 295 mg/kg ( Rabbit )	= 11.1 mg/L ( Rat ) 1 h = 3.6 mg/L ( Rat ) 4 h
PHOTOINITIATOR 162881-26-7	> 2000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
CUMENE HYDROPEROXIDE 80-15-9	= 382 mg/kg ( Rat )	= 0.126 mL/kg ( Rabbit )	= 220 ppm ( Rat ) 4 h

### Information on toxicological effects

**Symptoms** See Section 11: TOXICOLOGICAL INFORMATION.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** None known.

**Germ cell mutagenicity** None known.

**Carcinogenicity** .

Chemical Name	ACGIH	IARC	NTP	OSHA
ACRYLIC ACID 79-10-7	-	Group 3	-	-

**Reproductive toxicity** None known.

**STOT - single exposure** None known.

**STOT - repeated exposure** None under normal use conditions.

**Aspiration hazard** Not applicable.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 5,254.60 mg/kg

**ATEmix (dermal)** 1,298.88 mg/kg

**ATEmix (inhalation-dust/mist)** 23.100 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Crustacea
ACRYLIC ACID 79-10-7	0.04: 72 h Desmodesmus subspicatus mg/L EC50 0.17: 96 h Pseudokirchneriella subcapitata mg/L EC50	222: 96 h Brachydanio rerio mg/L LC50 semi-static	95: 48 h Daphnia magna mg/L EC50
PHOTOINITIATOR 162881-26-7	-	90: 96 h Danio rerio µg/L LC50 semi-static	-
CUMENE HYDROPEROXIDE 80-15-9	-	3.9: 96 h Oncorhynchus mykiss mg/L LC50 static	-

### Persistence and degradability

None known.

### Bioaccumulation

None known.

Chemical Name	Partition coefficient
ACRYLIC ACID 79-10-7	0.46

Other adverse effects**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** Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
ACRYLIC ACID 79-10-7	-	-	-	U008
CUMENE HYDROPEROXIDE 80-15-9	-	-	-	U096

Chemical Name	California Hazardous Waste Status
CUMENE HYDROPEROXIDE 80-15-9	Toxic Ignitable

**14. TRANSPORT INFORMATION**DOT

UN/ID no. UN 3082  
 Proper shipping name 2-(2-ethoxyethoxy)ethyl acrylate  
 Hazard Class 9  
 Packing Group III  
 Special Provisions None  
 Limited Quantities 5 Liters

IATA

UN/ID no. UN 3082  
 Proper shipping name 2-(2-ethoxyethoxy)ethyl acrylate  
 Hazard Class 9  
 Packing Group III  
 Special Provisions None  
 Limited Quantities 5 Liters

IMDG

UN/ID no. UN 3082  
 Proper shipping name 2-(2-ethoxyethoxy)ethyl acrylate  
 Hazard Class 9  
 Packing Group III  
 Special Provisions None  
 Limited Quantities 5 Liters

**15. REGULATORY INFORMATION**International Inventories

TSCA Complies  
 DSL/NDL Complies  
 EINECS/ELINCS Complies  
 ENCS Complies  
 IECS Complies

KECL	Complies
PICCS	Complies
AICS	Complies

All ingredients are on the inventory or are exempt from listing.

### 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  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
ACRYLIC ACID - 79-10-7	1.0
CUMENE HYDROPEROXIDE - 80-15-9	1.0

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
ACRYLIC ACID 79-10-7	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
CUMENE HYDROPEROXIDE 80-15-9	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACRYLIC ACID 79-10-7	X	X	X
CUMENE HYDROPEROXIDE 80-15-9	X	X	X

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION



<b><u>NFPA</u></b>	Health hazards 0	Flammability 0	Instability 0	<b>Physical and Chemical Properties</b> Not applicable
<b><u>HMIS</u></b>	Health hazards 0	Flammability 0	Physical hazards 0	<b>Personal protection</b> X

<b>Prepared By</b>	SDS coordinator
<b>Issue Date</b>	09-May-2023
<b>Revision Date</b>	16-May-2023

**Revision Note**

Not applicable

**Disclaimer**

The information provided in this Material 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 a 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**