

Issue Date 26-Apr-2023

Revision Date 01-May-2023

Version 1

1. IDENTIFICATION

Product identifier

Product Name 76201

Other means of identification

Product Code MS-76201

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 Very toxic to aquatic life

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

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	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.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Ingestion	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.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Carbon dioxide (CO₂). 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

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep at temperatures between 46°F and 82°F (8°C and 28°C).

Incompatible materials 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 ³ (vacated) S*	TWA: 2 ppm TWA: 6 mg/m ³

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing. Wear protective nitrile rubber gloves.

Respiratory protection 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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Translucent	Odor threshold	Not applicable
Color	Red		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Does not apply	Does not apply
Melting point / freezing point	Not applicable	
Boiling point / boiling range	> 94 °C / 201 °F	
Flash point	> 94 °C / 201 °F	

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

Other Information

Softening point	Not applicable
Molecular weight	Not applicable
VOC Content (%)	Not applicable
Density	Not applicable
Bulk density	Not applicable

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**

Inhalation	Not applicable.
Eye contact	No known effect based on information supplied.
Skin contact	No known effect based on information supplied.
Ingestion	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)	Not applicable	Not applicable
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)	Not applicable
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	Not applicable	Group 3	Not applicable	Not applicable

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 <i>Desmodesmus</i> subspicatus mg/L EC50 0.17: 96 h <i>Pseudokirchneriella</i> subcapitata mg/L EC50	222: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static	95: 48 h <i>Daphnia magna</i> mg/L EC50
PHOTOINITIATOR 162881-26-7	Not applicable	90: 96 h <i>Danio rerio</i> µg/L LC50 semi-static	Not applicable
CUMENE HYDROPEROXIDE 80-15-9	Not applicable	3.9: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	Not applicable

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	Not applicable	Not applicable	Not applicable	U008
CUMENE HYDROPEROXIDE 80-15-9	Not applicable	Not applicable	Not applicable	U096

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

14. TRANSPORT INFORMATIONDOT

UN/ID no. Not regulated
 Proper shipping name Not regulated
 Hazard Class Not regulated
 Packing Group Not regulated
 Special Provisions Not regulated

IATA

UN/ID no. Not regulated
 Proper shipping name Not regulated
 Hazard Class Not regulated
 Packing Group Not regulated
 Special Provisions Not regulated

IMDG

UN/ID no. Not regulated
 Proper shipping name Not regulated
 Hazard Class Not regulated
 Packing Group Not regulated
 Special Provisions Not regulated

15. REGULATORY INFORMATIONInternational Inventories

TSCA Complies
 DSL/NDSL Complies
 EINECS/ELINCS Complies
 ENCS Complies
 IECSC 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/NDSL - 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	Not applicable	RQ 5000 lb final RQ RQ 2270 kg final RQ
CUMENE HYDROPEROXIDE 80-15-9	10 lb	Not applicable	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

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

Prepared By SDS coordinator
Issue Date 26-Apr-2023
Revision Date 01-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