

# SAFETY DATA SHEET



Date issued : 01/24/2022  
SDS number : AQ-7011B

## 1. Identification

**Product code:** AQ-7011B

**Product description:** Crosslinker for aqueous coating

### Manufacturer / Supplier

Nova Pressroom Products  
1663 North McDuff Avenue  
Jacksonville, FL 32254

**Alternate Contact:** (866) 443-5811

**Customer Service:** (904) 292-2554

**Transportation:** (800) 424-9300

**Fax:** 904) 389-6999

**E-Mail:** info@novapressroom.com

### Emergency telephone number (24 hour)

**Chemtrec (US and Canada) :** (800) 424-9300

## 2. Hazard identification

### Classification of the substance or mixture

#### Health hazards:

Eye Corrosion, Category 1

Skin Sensitization, Category 1

Germ Cell Mutagenicity, Category 2

Target Organ Toxicity (Repeated exposure), Category 2

#### Label elements



Exclamation  
mark



Corrosion



Health  
hazard

**Signal word:** DANGER

#### Hazard statement(s)

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H341: Suspected of causing genetic defects.

H373: May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statement(s)

##### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust, vapours or spray.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P272: Contaminated work clothing should not be allowed out of the workplace.

P260: Do not breathe fumes, vapors, or sprays.

P202: Do not handle until all safety precautions have been read and understood.

P201: Obtain special instructions before use.

**Response:**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: IF IN EYES: Immediately call a POISON CENTER or doctor.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P321: Specific treatment (See First Aid Section on this label).  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P314: Get medical advice/attention if you feel unwell.  
 P308+P313: IF exposed or concerned: Get medical advice/ attention.  
 P363: Wash contaminated clothing before reuse.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

**Disposal:**

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

**Emergency overview**

**Physical appearance:** Clear liquid with mild odor

**Potential health effects**

**Eye:** Irritating, and may injure eye tissue if not removed promptly.

**Skin:** Contact may cause skin irritation.

**Ingestion:** Ingestion may cause irritation to the gastrointestinal tract.

**Inhalation:** Inhalation may cause irritation to the respiratory tract.

**Medical conditions aggravated:** Significant chronic exposure may aggravate existing eye, skin, auditory (hearing), respiratory system, liver, kidney, and CNS conditions.

**3. Composition/information on ingredients**

Chemical name	% w/w
Polyfunctional Aziradine Crosslinker	50 - 100

**4. First-aid measures**

**Eye:** Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**Skin:** Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Inhalation:** Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Indication of immediate medical attention and special treatment needed, if necessary:** In case of inhalation of decomposition

products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

**Flammable class:** None

**Suitable extinguishing media:** Foam, dry chemical; use water spray to cool exposed surfaces. Evacuate area and fight fire from a safe distance if fire is contained in a small area; otherwise, call the local fire department. Fire media runoff may damage the environment. Dike and collect media used to fight fire.

**Other considerations:** Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from the handling site. Flashback or flame to the handling site may occur.

**Hazardous decomposition products:** Fire may produce hazardous fumes.

## 6. Accidental release measures

**Small spill:** Wear protective gloves and eye protection, and stop the source of the leak or spill if possible. Isolate area of spill with dike, and/or add dry absorbent to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

**Large spill:** Follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release with dike to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes, skin, or clothing. Avoid breathing mist or vapor. Do not swallow. Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas. Use only with adequate ventilation. Good housekeeping should be observed to avoid contamination. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

**Conditions for safe storage:** Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Keep away from oxidizing agents and corrosives. Protect from direct sunlight and store between 40F and 140F. Containers of this material may be hazardous when emptied. Because emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

## 8. Exposure controls/personal protection

**Appropriate engineering controls:** Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air is recommended.

**Individual protection measures, such as personal protective equipment**

**Eye / face protection:** Safety glasses.

**Skin protection - hand protection:** Gloves impervious to the hazardous ingredients.

**Respiratory protection:** If used under normal operating conditions and with adequate ventilation, respiratory equipment is not required.

## 9. Physical and chemical properties

**Physical state:** Liquid

**Appearance:** Clear

**Color:** Yellow

**Odor:** Mild odor

**Odor threshold:** Amine

**pH:** NA = Not Applicable

**Melting point:** -30°C

**Freezing point:** Not Established

**Initial boiling point and boiling range:** None

**Flash point:** > (200°F) CC

**Evaporation rate (n-butyl acetate = 1):** Not Established

**Lower explosion limit / flammability limit:** Not Established

**Vapor pressure:** Not Established

**Relative vapor density:** Not Established

**Density:** Not Established

**Relative density:** 1.07 to 1.08 at (60°F)

**Notes:** Water = 1.00

**Solubility:** Not Available

**Partition coefficient n-octanol/water (logarithmic value):** Not Established

**Auto-ignition temperature:** Not Established

**Decomposition temperature:** > 175°C

**Dynamic viscosity:** 200 cps. at (77°F)

**VOC content:** < 0.01 lbs/gal USEPA Method 24

## 10. Stability and reactivity

**Dangerous polymerization:** None

**Chemical stability:** Chemically stable

**Conditions to avoid:** No specific data.

**Hazardous decomposition products:** Includes, but not limited to smoke, fumes, oxides of nitrogen, and oxides of carbon.

**Incompatible materials:** Rust, strong oxidizers, acids, and/or bases.

## 11. Toxicological information

### Acute toxicity

**Acute oral toxicity LD<sub>50</sub>:** 2000 [mg/kg rat]

**Skin corrosion / irritation:** May be irritating to skin

**Serious eye damage / irritation:** Contact with eyes may damage eye tissue.

**Respiratory or skin sensitization:** Sensitization possible through skin contact.

### Germ cell mutagenicity:

Product	Test	Experiment	Result
Polyfunctional aziridine crosslinker	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Positive
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic	Positive
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammalian-Animal Cell: Somatic	Positive

**Specific Target Organ Toxicity - repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

## 12. Ecological information

**Ecotoxicological information:** Not Available

**Persistence and degradability:** Not Available

**Bioaccumulative potential:** Not Available

## 13. Disposal considerations

**Disposal methods:** Dispose materials associated with cleaning spills and/or leaks according to federal, state, and local regulations. If product is contaminated with other printing process products, consult appropriate federal, state, and local regulations to determine proper characterization of resultant mixture.

**RCRA/EPA waste information:** None

## 14. Transport information

**USA Department of Transport Regulations (DOT)**

**UN proper shipping name:** Not Regulated

**ICAO - air**

**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-Aziridinepropanoic acid, 2-methyl-, 1, 1'-[2-ethyl-2-[[3-(2-methyl-1-aziridiny)-1-oxopropoxy]methyl]-1,3-propanediyl]ester)

**UN number:** 3082

**Transport hazard class(es):** 9

**Packing group, if applicable:** III

**Placards:** Miscellaneous Dangerous Goods 9  
Fish and Tree

**Note:** This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**IMDG - sea**

**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-Aziridinepropanoic acid, 2-methyl-, 1, 1'-[2-ethyl-2-[[3-(2-methyl-1-aziridiny)-1-oxopropoxy]methyl]-1,3-propanediyl]ester)

**UN number:** 3082

**Transport hazard class(es):** 9

**Packing group, if applicable:** III

**Limited quantity:** 5L

**Placards:** Miscellaneous Dangerous Goods 9  
Fish and Tree

**15. Regulatory information**

**UNITED STATES**

**SARA Section 311/312 Hazard Categories**

**313 reportable ingredients:** This product does not contain any ingredients subject to the reporting requirements of SARA Title III Section 313 at or above reporting thresholds, unless listed below.

**TSCA (The Toxic Substances Control Act)**

**TSCA Status:** All components of this product are registered on the TSCA inventory.

**CANADA**

**WHMIS Regulatory Status:** Class D2B Toxic Material

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** All components of this product are registered on the DSL inventory.

**16. Other information**

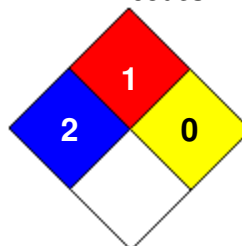
**Approved by:** HRB    **Title:** VP Technical Services

**Date Prepared:** 01/24/2022

**HMIS rating**

<b>Health</b>	<input type="checkbox"/>	<b>2</b>
<b>Flammability</b>	<input type="checkbox"/>	<b>1</b>
<b>Physical hazard</b>	<input type="checkbox"/>	<b>0</b>
<b>Personal protection</b>	<input type="checkbox"/>	<b>B</b>

**NFPA codes**



**Manufacturer disclaimer:**

The specific chemical identities of some ingredients in this mixture are considered proprietary information and trade secrets. As such they are withheld in accordance with CFR 1910.1200(i) of Title 29.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.