

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.23.2020

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## Express Crosslinker

### SECTION 1: Identification

#### Product identifier

**Product name:** Express Crosslinker

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Finishes, Coatings and Related Materials

**Uses advised against:** For Professional Use Only

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

Poloplaz

1 Paradise Park Road

Jacksonville, AR 72076

501-985-1172

www.poloplaz.com

#### Emergency telephone number:

##### United States

Infotrac

1-800-535-5053 (24/7)

### SECTION 2: Hazard(s) identification

#### GHS classification:

Skin irritation, category 2

Eye irritation, category 2A

Skin sensitization, category 1

Germ cell mutagenicity, category 2

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H341 Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

#### Precautionary statements:

P264 Wash skin thoroughly after handling

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

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

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P272 Contaminated work clothing must not be allowed out of the workplace  
P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P302+P352 IF ON SKIN: Wash with plenty of water/ ...  
P321 Specific treatment (see ... on this label)  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362 Take off contaminated clothing and wash it before reuse  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 If eye irritation persists: Get medical advice/attention  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P363 Wash contaminated clothing before reuse  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P405 Store locked up  
P501 Dispose of contents/container to...

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	>50

**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Show this Safety Data Sheet to the doctor in attendance.

#### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

#### After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

#### After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

#### After swallowing:

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If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

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

#### Acute symptoms and effects:

Skin contact may result in redness, pain, burning and inflammation.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

#### Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Suspected of causing genetic defects.

### Immediate medical attention and special treatment

#### Specific treatment:

Effects are dependent on exposure (dose, concentration, contact time).

#### Notes for the doctor:

Treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable extinguishing media:

Do not use water jet.

### Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

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### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

## SECTION 6: Accidental release measures

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate

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personnel to safe areas. For personal protection see section 8.  
Wear recommended personal protective equipment (See Section 8).  
Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition.  
Ensure adequate ventilation.  
Shut off all possible sources of ignition and avoid friction and impact.  
Keep unnecessary personnel away.  
Keep people away from and upwind of spill/leak.  
Wear appropriate protective equipment and clothing during clean-up.  
Local authorities should be advised if significant spillages cannot be contained.  
For personal protection, see section 8 of the SDS.

#### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.  
If contamination of sewers or waterways has occurred advise local emergency services.  
Avoid discharge into drains, water courses or onto the ground.  
Prevent further leakage if safe to do so.  
Inform authorities if spill cannot be contained.

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

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only.  
Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.  
Vacuum or sweep up material and place into a suitable disposal container.  
Wear a self-contained breathing apparatus and appropriate personal protection.  
Provide ventilation.

#### **Reference to other sections:**

For disposal see section 13.  
For further information refer to section 7 and section 13.

### SECTION 7: Handling and storage

#### **Precautions for safe handling:**

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.  
Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.  
Avoid contact with skin, eyes, and clothing.  
Follow good hygiene procedures when handling chemical materials. Refer to Section 8.  
Follow proper disposal methods. Refer to Section 13.  
Do not eat, drink, smoke, or use personal products when handling chemical substances.

#### **Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use  
Store in a cool, dry, well ventilated place.  
Store away from sources of heat or ignition.  
Store away from incompatible materials described in Section 10.  
Keep containers closed when not in use

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### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Not determined or not applicable.

#### Appropriate engineering controls:

Effective ventilation in all processing areas.

Use local exhaust ventilation to maintain airborne concentrations below the TLV.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles

Safety glasses

##### Skin and body protection:

Impervious clothing, chemical resistant gloves

Impervious clothing and chemical resistant gloves

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

#### General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	light yellow liquid
Odor	amine-like odor
Odor threshold	NA
pH	> 8
Melting point/freezing point	NA
Initial boiling point/range	> 93C
Flash point (closed cup)	> 93C
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper flammability/explosive limit	NA
Lower flammability/explosive limit	NA
Vapor pressure	NA
Vapor density	NA
Density	1.08
Relative density	NA
Solubilities	soluble in water

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Partition coefficient (n-octanol/water)	NA
Auto/Self-ignition temperature	NA
Decomposition temperature	NA
Dynamic viscosity	NA
Kinematic viscosity	NA
Explosive properties	NA
Oxidizing properties	NA

### Other information

VOC g/l less water	< 275 g/l less water (A + B)
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## SECTION 10: Stability and reactivity

### Reactivity:

Stable and non-reactive under normal conditions of use, storage and transport.

### Chemical stability:

Stable under normal storage and handling conditions.

### Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid:

Incompatible materials.

### Incompatible materials:

Strong oxidizing agents.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Skin corrosion/irritation

#### Assessment:

Causes skin irritation.

#### Product data:

No data available.

#### Substance data:

Name	Result
2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Causes skin irritation.

### Serious eye damage/irritation

#### Assessment:

Causes serious eye irritation.

#### Product data:

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No data available.

### Substance data:

Name	Result
2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Causes serious eye damage.

### Respiratory or skin sensitization

#### Assessment:

May cause an allergic skin reaction.

#### Product data:

No data available.

#### Substance data:

Name	Result
2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	May cause an allergic skin reaction.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

**OSHA Carcinogens:** Not applicable

### Germ cell mutagenicity

#### Assessment:

Suspected of causing genetic defects.

#### Product data:

No data available.

#### Substance data:

Name	Result
2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Suspected of causing genetic defects.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

No data available.

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**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### Contaminated packages:

Not determined or not applicable.

## SECTION 14: Transport information



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### United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Listed
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**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

#### SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
No	No	No	No	No

**SARA Section 302 extremely hazardous substances:** Not determined.

#### SARA Section 313 toxic chemicals:

64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Not Listed
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**CERCLA:** Not determined.

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

**Massachusetts Right to Know:**

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64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Not Listed
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### New Jersey Right to Know:

64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Not Listed
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### New York Right to Know:

64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Not Listed
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### Pennsylvania Right to Know:

64265-57-2	2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-p	Not Listed
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**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-1-1

**HMIS:** 3-1-1

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**End of Safety Data Sheet**