



## Waterborne Finish Crosslinker

HMIS		NFPA	Personal protective equipment
Health	3*	3	
Flammability	0	0	
Physical Hazard / Instability	1	1	

Version Number: 0

Preparation date: 2012-03-08

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Waterborne Finish Crosslinker

**MSDS #:** MS0301083  
**Product Code:** 5142235  
**Recommended use:** Specialty chemical. This product is intended to be diluted prior to use.

**Manufacturer, importer, supplier:**  
 US Headquarters  
 Diversey, Inc.  
 8310 16th St.  
 Sturtevant, Wisconsin 53177-1964  
 Phone: 1-888-352-2249  
 MSDS Internet Address: [www.diversey.com](http://www.diversey.com)

Canadian Headquarters  
 Diversey, Inc. - Canada  
 2401 Bristol Circle  
 Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE TO EYES. CAUSES EYE BURNS. MAY CAUSE ALLERGIC SKIN REACTION. CAUSES SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. HARMFUL OR FATAL IF INHALED. MAY CAUSE ALLERGIC RESPIRATORY REACTION. USE ONLY IN WELL-VENTILATED AREAS.

**Principal routes of exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.

**Skin contact:** Moderately irritating to the skin.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Exposure above the occupational health limits may cause shortness of breath and reduced lung function. Persons with pre-existing, nonspecific bronchial hyperreactivity can respond to concentrations below the occupational exposure limits with similar symptoms as well as asthma episodes.

**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
2- (2-ethoxyethoxy) ethyl acetate	112-15-2	50 - 60%	11000	15100 µL/kg	Not available
Polyfunctional aziridine	64265-57-2	50 - 60%	500	Not available	Not available
Propyleneimine	75-55-8	< 0.1%	19	Not available	Not available

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Immediately flush with plenty of water. If irritation persists, get medical attention.

**Inhalation:** If breathing is affected, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, rinse mouth. Give a cupful of water or milk . THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects, Allergy to isocyanates , Persons with pre-existing skin disorders may be more susceptible to irritating effects.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Not applicable

**Unusual hazards:** None known

**Specific methods:** Do not attempt to extinguish the fire without a self-contained breathing apparatus (SCBA) . Use water spray to keep fire-exposed containers cool.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment

**Environmental precautions and clean-up methods:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use appropriate containment to avoid environmental contamination. Flush with water.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Do not breathe vapors or mists. Do not create aerosols or mists . Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Wear goggles, protective clothing, and gloves. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

### Personal Protective Equipment

**Eye protection:** Chemical-splash goggles.

**Hand protection:** Chemical-resistant gloves

**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:** Use only in well-ventilated areas. If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure . A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Propyleneimine	75-55-8	0.4 ppm (STEL) 0.2 ppm (TWA)	Skin 2 ppm (TWA) 5 mg/m <sup>3</sup> (TWA)	2 ppm (TWA) 5 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Liquid

**Specific gravity:** 1.04

**Vapor density:** No information available

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Partially Soluble

**Bulk density:** No information available

**Evaporation Rate** No information available

**Color:** Clear Colorless

**Odor:** Pungent

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Density:** 8.67 lbs/gal 1.04 Kg/L

**Solubility in other solvents:** No information available  
**Partition coefficient (n-octanol/water):** No information available  
**Elemental Phosphorus:** 0.00 % by wt.  
**pH:** No information available  
**Explosion limits: - upper:** Not determined - **lower:** Not determined

**Flash point:** > 200 °F > 93.4 °C  
**Viscosity:** No information available  
**VOC:** 50 % \*  
**Dilution pH:** No information available.

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** May occur if mixed with acidic materials .  
**Hazardous decomposition products:** Oxides of carbon . Oxides of nitrogen.  
**Materials to avoid:** Acids. anhydrides . Strong oxidising agents.  
**Conditions to avoid:** Do not freeze. Keep away from heat. Strong sunlight for prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Oral LD50 estimated to be 3000 - 4000 mg/kg . Dermal LD50 estimated to be > 2000 mg/kg. Corrosive to eyes.  
**Component Information:** See Section 3  
**Chronic toxicity:** Repeated eye, skin, or inhalation exposure may have cumulative effects  
Repeated overexposures or a single large exposure can cause isocyanate allergy in some individuals  
Prolonged or repeated skin contact may cause allergic reactions in some individuals Cancer Hazard  
Cancer risk depends on duration and level of exposure

### Specific effects

**Carcinogenic effects:** No information available  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

Ingredient(s)	CAS #	NTP	IARC	OSHA
Propyleneimine	75-55-8	X	2B	X

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT Bill of Lading Description:** NON REGULATED ITEM

**IMDG Bill of Lading Description:** Same as DOT above.

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### U.S. Regulations

**California Proposition 65:** This product contains materials listed under California's Proposition 65.

### RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
2- (2-ethoxyethoxy) ethyl acetate	112-15-2	-	-	-	-

Polyfunctional aziridine	64265-57-2	-	-	-	-
Propyleneimine	75-55-8	X	X	X	X

#### CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
2- (2-ethoxyethoxy) ethyl acetate	112-15-2	50 - 60%			X
Propyleneimine	75-55-8	< 0.1%	1	1	X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
2- (2-ethoxyethoxy) ethyl acetate	X		
Propyleneimine	X		

#### SARA 311/312 Hazard Categories

Immediate: x  
 Delayed: x  
 Fire: -  
 Reactivity: x  
 Sudden Release of Pressure: -

#### Canada

WHMIS hazard class: D2A Very toxic materials , D2B Toxic materials.



Ingredient(s)	CAS #	NPRI
2- (2-ethoxyethoxy) ethyl acetate	112-15-2	X

### 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:**

- This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

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