



EcoKote Crosslinker Material Safety Data Sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: EcoKote Crosslinker
Chemical or Technical name: Crosslinker for waterborn coating.
Manufacturer / Supplier: EcoKote.
910 Crabapple Lane
Suite 100
Valparaiso, IN 46383

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Weight%	Danger symbol	OEL
Pentaerythritol-tris - (B-(aziridinyl) propionate	0057116-45-7	100	Xn	

Notes: Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non hazardous and/or present amounts below reportable limits.

T: Toxic C: Corrosive Xn: Harmful Xi: Irritant

3. HAZARD IDENTIFICATION

Health hazards: Light yellow liquid with a slight amine odor. Causes severe eye irritation. If eye contact occurs, immediately flush eyes with plenty of isotonic normal saline. May cause skin irritation.

Biological danger: The product is not judged as harmful to the environment.

Carcinogenic status: The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA, or ACGIH.

4. FIRST AID MEASURES

Inhalation: Fresh air and rest. If unconsciousness occurs give artificial respiration, immediately contact a doctor.

Skin: Immediately remove all contaminated clothing. Wash skin with soap and water. Seek medical advice if symptoms persist.

Eye: Immediately flush eyes with isotonic normal saline solution. If not available, use clean water for 15 min. Get medical attention.

Ingestion: Induce vomiting by having patient tickle in the back of throat with finger. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing media: NFPA class IIIB (combustible liquid). Use water spray, ABC dry chemical, foam or carbon dioxide.

Fire & Explosive properties: Issue warning: Combustible liquid. Eliminate all ignition sources. Ventilate the area. Do not expose to heat in closed containers.

6. ACCIDENTAL RELEASE MEASURE

- Precautions:** Avoid inhalation of gas/vapor. Avoid contact with skin.
- Environmental protection:** Prevent discharge to sewage disposal system, water course or earth.
- Methods for cleaning up:** Absorb with an inert material. Contain spill and ventilate well. Wear protective gloves. Keep the waste in closed containers.

7. HANDLING AND STORAGE

- Handling:** Use only in well ventilated areas. By handling the product always maintain good working hygiene. Avoid inhalation. Avoid contact with skin and eyes. Do not wear contact lenses.
- Storage:** Keep in well closed container. Keep in cool dry place.
- Packaging material/storage:** Keep in plastic or glass containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Use only in well ventilated areas. Arrange work in such a way that direct contact with the product will be avoided. Depending on the amount in use and the working conditions, it would be necessary to wear respiratory equipment, protective gloves (for example: Viton or PVA) and protective goggles with full face shield. **Always consult with your distributor the choice of personal protective equipment.** The product should only be used in well controlled industrial applications and is not recommended to be used in trade sale or D.I.Y.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance & Odor:** Pale yellow liquid, with slight amine odor
- Vapor pressure (mmHg) :** <0.1 @ 20.C (68.F)
- Specific gravity:** Soluble

10. STABILITY AND REACTIVITY

- Stability:** The material is stable
- Hazardous Polymerization:** Will not occur
- Conditions to avoid:** Temperatures > 120F 50C, or ignition sources.
- Substances to be avoided:** Strong acids or strong oxidizers
- Hazardous decomposition products:** Carbon monoxide & dioxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

- Inhalation:** High concentrations of spray vapors may be irritant to the respiratory organs
- Skin:** Will cause skin irritation. Strongly irritating to previously wounded or chapped skin. Can cause allergy.
- Eye:** Risk of serious eye damage.
- Ingestion:** LD50 rat/adult (oral)~ 2000 mg/kg
- Long term exposure:** LD50 Rabbit / adult (skin) > 3000. Mg/kg

12. ECOLOGICAL INFORMATION

No ecological testing has been conducted on this product.

13. DISPOSAL CONSIDERATION

Federal, state and local regulations where the waste material is generated, treated and/or disposed of must be examined to verify the appropriate waste classification. Dispose of as an aqueous waste after reaction with ammonium thiosulfate

14. TRANSPORT INFORMATION

UN No: Packing group:

ADR (road): IMDG (sea): DRG (air):

Class: Class: Class:

Item: EMS: MFAG:

Note: This product is not regulated for domestic and international transportation.

15. REGULATORY INFORMATION

Sara Title III section 313: This product does not contain any substance (s) subject to the reporting requirements.

SARA Title III Section 312 hazard: Acute & Chronic health: Yes, Fire: No, Release of pressure: NO, Reactive: No

TSCA: All components of this product are either listed on the U.S. toxic substance control ACT (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

California Proposition 65: No known substances that are cancer causing are present, or in reportable amounts for occupational exposure as per OSHA's approval of the California hazard communication standard 1997.

16. OTHER INFORMATION

Canadian DSL: One or more components are listed on the NDSL.

Canadian ingredient disclosure list (WHMIS): Not applicable.

Canadian WHMIS: This product is controlled under the Canadian hazardous materials information system (WHMIS) and is classified as: D2B. All information given is based on available data and to the best of our ability.

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