

MSDS & Chemicals Safety Technical Specifications

1. Chemicals and Company Signs

Chemical name: Gel Bonder

Company Name : CKNH Holdings LLC

ADDRESS : 10214 Auburn Park Dr, Fort Wayne, Indiana

Tel : 4808189849

Effective Date : March 10th of 2019

Emergency Call : 911

2. Ingredients

Pure

Mixture

Chemical Components	CAS NO.	Concentration WT%
Ethyl acetate (205-500-4)	141 - 78 - 6	80- 85
Bisphenol-a-glycidly1 (216-367-7)	1565-94-2	5-10
2-Hydroxyethyl Methacrylate	868-77-9	5-10

3. Hazards identification

Emergency Overview

Physical state: Liquid

Color: transparent

Odor: light

Personal Protection: See Section 8

HEALTH: 1*

FLAMMABILITY: 2

PHYSICAL HAZARD: 1

WARNING: HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. DO NOT SPRAY. DO NOT HEAT. MAY CAUSE ALLERGIC SKIN REACTION. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Skin contact: Contact with skin will cause irritation.

Eye contact: Contact with eyes will cause irritation.

4. First aid measures

Inhalation: Seek fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Get medical attention immediately

5. Fire-fighting measures

Flash point: 105°C

Auto ignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.

6. Accidental release measures

Environmental precautions: Remove sources of ignition. Prevent product from entering drains or open waters.

Clean-up methods: Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. Handling and storage

Handling: Prevent contact with eyes, skin and clothing. Do not inhale vapor and mist. Wash thoroughly after handling. DO NOT heat or spray. Use only with adequate ventilation. Refer to Section 8. Use only in area provided with appropriate exhaust ventilation.

Storage: For safe storage, store at or below 26°C (80°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Incompatible products: Refer to Section 10.

8. Exposure controls/personal protection

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection: Use OSHA approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, an OSHA approved respirator must be used.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves are recommended.

Eye/face protection: Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

9. Physical and chemical properties

Physical state: Liquid

Color: transparent

Odor: light

Vapor pressure: Not available

pH: Not applicable

Boiling point/range: Greater than 93°C (200°F)

Melting point/range: Not available

Specific gravity: 1.10

Vapor density: Not available

Evaporation rate: Not available

Solubility in water: Slight

Partition coefficient (n-octanol/water): Not available

VOC content: Total volatiles 0.80 %

10. Stability and reactivity

Stability: Stable under normal conditions of storage and use.

Hazardous polymerization: May occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Dimethylamine.

Irritating organic vapors.

Incompatibility: Strong acids, Strong oxidizing agents, Bases.

Conditions to avoid: Heat, flames, sparks and other sources of ignition. Do not heat above 26°C (80°C).

11. Toxicological information

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	COSHA Carcinogen
Ethyl acetate (205-500-4)	NO	NO	NO
Bisphenol-a-glycidly1 (216-367-7)	NO	NO	NO
2-Hydroxyethyl Methacrylate	NO	NO	NO

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Ethyl acetate (205-500-4)	No Records
Bisphenol-a-glycidly1 (216-367-7)	No Records
2-Hydroxyethyl Methacrylate	No Records

12. Ecological information

Ecological information: Not available

13. Disposal considerations

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance to OSHA and local governmental environmental regulations.

ECE hazardous waste number: Not a RCRA hazardous waste.

14. Transport information

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Marine pollutant: None

15. Regulatory information

PRC Regulatory Information

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. Other information

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, CKNH Holdings LLC not assume responsibility for any results obtained by persons over whose methods CKNH Holdings LLC has no control. It is the user's responsibility to determine the suitability of CKNH Holdings LLC's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of CKNH Holdings LLC's products. In light of the foregoing, CKNH Holdings LLC specifically disclaims all warranties, express or implied, including warranties of merchant ability and fitness for a particular purpose, arising from sale or use of CKNH Holdings LLC products. CKNH Holdings LLC further disclaims any liability for consequential or incidental damages of any kind, including lost profits.