Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

SECTION 1: IDENTIFICATION

EZCHEM, Inc.
92 Don Westbrook Ave. N
Jasper, GA 30143

Emergency Telephone Number: 1-800-535-5053
Telephone Number for Information: 706-253-5055

Product Name EZPOLY – 75 PART -B

Product Use: Aliphatic Polyaspartic topcoat

SECTION 2 HAZARD IDENTIFICATION

Classification of the substance or mixture Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard Class	Category	Hazard class Category	Hazard statement
acute toxicity (inhal.)	4	Acute Tox. 4	H332
Skin sensitization	1	Skin Sens .1	H317
specific target organ toxicity single exposure (respiratory tract irritation)	3	STOT SE 3	H335

Label elements
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)
-Signal word Warning
-Pictograms GHS07,

- Hazard statements
H317 Harmful if inhaled
H335 May cause respiratory irritation.

-**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: wash with plenty of water.
P304+ P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312 Call a poison center/doctor if you feel unwell.
P21 Specific treatment (see on this label).
P362+364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed**.**
P405 Store locked up.
P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other Hazards None

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SECTION 3 HAZARDOUS INGREDIENTS /IDENTITY INFORMATION

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
CAS No.	28182-81-2 (Hexamethylene diisocyanate)	≥99.75 %

Impurities and additives, classification acc. to GHS

Name	Identifier	Wt%	Class acc to GHS	Pictograms
Hexamethylene diisocyanate	CAS No 822-06-0	< 1	Acute Tox. 4 / H302 Acute Tox. 1 / H330 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Resp. Sens. 1 / H334 Skin Sens. 1 / H317 STOT SE 3 / H335	

SECTION 4 – FIRST AID MEASURES

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.

Ingestion IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a doctor if you feel unwell.

Skin contact IF ON SKIN: wash with plenty of water (15-20 minutes). IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing.

Most important symptoms and effects (acute and delayed) Causes severe skin, respiratory or digestive tract burns and eye damage.

Indication of immediate medical attention/special treatment In all cases, call a doctor. Do not forget this document.

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

Carbon oxides and other irritant/toxic gases and fumes.

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Specific hazards of the hazardous product (hazardous combustion products

Suitable and unsuitable extinguishing media

Special protective equipment and precautions for fire-fighters

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Absorb spillage to prevent material-damage. Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Precautions for safe handling Wear protective gloves/ protective clothing/ eye protection/ face protection. Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/ spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values) Exposure limits: None;
Appropriate engineering controls Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance / color	*Clear liquid*	**Vapor Pressure**	*Not determined*
Odour	*Clear liquid*	**Density**	*1.17 g/cm³ at 20 °C*
Odour Threshold	*Not determined*	**Vapor Density**	*Not Available*
pH	*Not determined*	**Solubility(ies)**	*Not Determined*
Melting/freezing Point	*Not determined*	**- n-octanol/water (log KOW)**	*9.81 (ECHA)*
Initial boiling point/ranges	*Not determined*	**- Soil organic carbon/water (log KOC)**	*6.266 (ECHA)*
Flash Point	*158 °C*	**Auto-ignition temperature**	*445 °C*
Evaporation rate	*Not determined*	**Decomposition temperature**	*250 °C (ECHA)*
Flammability (solid, gas)	*Not determined*	**Viscosity**	*not determined*
Upper/Lower flammability or explosive limits	*Not determined*	**Explosive/Oxidizing properties**	*none*

OTHER INFORMATION

Surface Tension — 44.9 mN/m (25 °C) (ECHA)

Temperature class (USA, acc. to NEC 500) — T2 (maximum permissible surface temperature on the equipment: 300°C)

SECTION 10 STABILITY AND REACTIVITY

Reactivity — Contact with moisture, other materials that react with isocyanates, or temperature above 177°C, may cause polymerization.

Chemical Stability — Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions — Contact with moisture, other materials that react with isocyanates, or temperature above 177°C, may cause polymerization

Conditions to avoid — Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Water content (moister). (static discharge, shock or vibration)

Incompatible materials — Keep away from water, amines, strong bases, alcohols, copper alloys.

decomposition products — Hazardous combustion products

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing; Respiratory tract irritation, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	Skin Sensitization – Possible; Respiratory Sensitization – Possible; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Expo-sure – Possible; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD50 & LC50)	None;

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information) No data available for this product
Persistence and degradability No data available
Bioaccumulative potential
n-octanol/water (log KOW) -9.81 (ECHA)
BCF- 141 (ECHA)
Mobility in soil
Henry's law constant -0 Pa m³/mol at 25 °C
The Organic Carbon normalised adsorption coefficient - 6.266 (ECHA)
Other adverse effects- Endocrine disrupting potential Not listed.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal: Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

UN number	3082
UN proper shipping name	Other regulated substances, liquid, n.o.s
Transport hazard class(es) Class	9 (miscellaneous dangerous substances and articles)
Packing group	III (substance presenting low danger)
Environmental hazards regulations	non-environmentally hazardous acc. to the dangerous goods

Special precautions for user
There is no additional information.

Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations
Transport of dangerous goods by road or rail (49 CFR US DOT)

SECTION 15 –REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question National regulations (United States)

Toxic Substance Control Act (TSCA) substance is listed

Superfund Amendment and Reauthorization Act (SARA TITLE III)

-The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304) not listed

-- Specific Toxic Chemical Listings (EPCRA Section 313)
-**Toxics Release Inventory: Specific Toxic Chemical Listings**

-Name acc. to inventory	CAS No	Wt%	eff date
-hexamethylene-1,6-diisocyanate	822-06-0	0.25	1995-01-01

-Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

-Name of substance	CAS No	Statutory code	Final RQ pounds (Kg)
Hexamethylene diisocyanate	822-06-0	3	100 (45,4)

Legend 3 "3" indicates that the source is section 112 of the Clean Air Act

SECTION 15 –REGULATORY INFORMATION Cont.

Safety, health and environmental regulations specific for the product in question National regulations (United

Right to Know Hazardous Substance List
-Hazardous Substance List (NJ-RTK

Name of substance	CAS No	Classifications
Hexamethylene diisocyanate	822-06-0	R1

Legend R1 Reactive - First Degree

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987
not listed

VOC content
Regulated Volatile Organic Compounds (VOC-EPA): Regulated Volatile Organic Compounds (VOC-Cal ARB):

SECTION 16 – OTHER INFORMATION

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

End of SDS.

Rev date 1/25/2022