Safety Data Sheet EZ-FILL RTU, M/M PART A

Supercedes Date 03/12/2014 **Issuing Date** 05/27/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name EZ-FILL RTU, M/M PART A
Recommended use Patching compound
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 4041A
Chemical nature Isocyanates
Emergency Telephone Number

Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color dark brown - Black **Physical state** Liquid **Odor** Slight Musty

GHS Classification

Physical Hazards
None

Health Hazard

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B
Respiratory Sensitization	Category 1
Skin sensitization	Category 1
Specific target organ systemic toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P260 - Do not breathe vapors or mist
P271 - Use in a well-ventilated area.
P285 - In case of inadequate ventilation wear respiratory protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P362 - Take off contaminated clothing and wash 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 attention.
P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
P342 + P311 - If experiencing respiratory symptoms, call a physician
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Polymeric diphenylmethane diisocyanate	9016-87-9	30-60
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	15-40
Methylenediphenyl diisocyanate	101-68-8	10-30
Phenyl isocyanate	103-71-9	0
Chlorobenzene	108-90-7	0

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion Do NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.

Notes to physician May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point 390 °F / 199 °C **Method** Pensky Marten Closed Tester

Flammability Limits in Air %: No information available. **Upper:** No data available **Lower:** No data available

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA **Health** 2 **Flammability** 1 **Instability** 1

HMIS **Health** 2 **Flammability** 1 **Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Do not freeze.

Storage Temperature **Minimum** 64 °F / 18 °C **Maximum** 86 °F / 30 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Methylenediphenyl diisocyanate	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m^3	75 mg/m^3 Ceiling: 0.020 ppm Ceiling: 0.2 mg/m^3 TWA: 0.005 ppm TWA: 0.05 mg/m^3
Phenyl isocyanate	TWA: 0.005 ppm Skin STEL: 0.015 ppm	No data available	No data available
Chlorobenzene	TWA: 10 ppm	TWA: 75 ppm	1000 ppm

		TWA: 350 mg/m^3	

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- **Eye/Face Protection** Tightly fitting safety goggles.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Slight viscous
Color	dark brown - Black	**Odor**	Slight Musty
Odor Threshold	Not applicable	**Appearance**	No information available.
pH	Not applicable	**Specific Gravity**	1.24
Evaporation Rate	No data available	**Percent Volatile (Volume)**	No data available
VOC Content (%)	No data available	**VOC Content (g/L)**	No data available
Vapor Pressure	<0.0001 mmHg @ 77°F	**Vapor Density**	No information available
Solubility	Insoluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	406 °F / 208 °C	**Flammability (solid, gas)**	No data available
Flash Point	390 °F / 199 °C	**Method**	Pensky Marten Closed Tester
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	No information available	**Upper:** No data available **Lower:** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization may occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition, Protect from moisture.

Incompatible Products Water, Amines, Strong bases, Alcohols, Copper alloys, Aluminium.

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke, Hydrogen cyanide, Isocyanate, Isocyanic acid.

Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 22,184.40

Dermal LD50 No information available

Inhalation LC50

- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation.

Primary Routes of Entry Skin contact, Skin Absorption.

Acute Effects:

- **Eyes** Causes eye irritation.
- **Skin** Causes skin irritation. May cause allergic skin reaction.
- **Inhalation** Harmful by inhalation. Causes respiratory tract irritation. May cause sensitization by inhalation.
- **Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Prolonged skin contact may defat the skin and produce dermatitis. May cause sensitization by inhalation. May cause sensitization by skin contact.

Target Organ Effects Respiratory system, Immune system, Eyes.

Aggravated Medical Conditions Respiratory disorders, Skin disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Polymeric diphenylmethane diisocyanate 9016-87-9	No data available	no data available	= 490 mg/m^3 (Rat) 4 h	No data available	No data available

2,2,4-trimethyl-1,3-pentanediol diisobutyrate 6846-50-0	> 3200 mg/kg (Rat)	no data available	No data available	No data available	No data available
Methylenediphenyl diisocyanate 101-68-8	= 31600 mg/kg (Rat) > 7400 mg/kg (Rat)	> 6200 mg/kg (Rabbit)	= 369 mg/m^3 (Rat) 4 h = 0.369 mg/L (Rat) 4 h	No data available	No data available
Phenyl isocyanate 103-71-9	= 172 mg/kg (Rat)	= 7127 mg/kg (Rabbit) = 5 mL/kg (Rat)	= 22 mg/m^3 (Rat) 4 h	No data available	No data available
Chlorobenzene 108-90-7	= 2914 mg/kg (Rat)	no data available	= 13.5 mg/L (Rat) 7 h	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Polymeric diphenylmethane diisocyanate 9016-87-9	No data available	Skin sensitizer and respiratory sensitizer	No data available	No data available	Immune system
Methylenediphenyl diisocyanate 101-68-8	No data available	Skin sensitizer and respiratory sensitizer	No data available	No data available	Eyes Respiratory system Immune system
Chlorobenzene 108-90-7	No data available	No data available	No data available	No data available	Skin Central nervous system Eyes Respiratory system Liver

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Polymeric diphenylmethane diisocyanate 9016-87-9	not applicable	Group 3	not applicable	not applicable	not applicable
Methylenediphenyl diisocyanate 101-68-8	not applicable	Group 3	not applicable	not applicable	not applicable
Chlorobenzene 108-90-7	A3	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information No information available.

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	No information available.	LC50 > 1.55 mg/L Pimephales promelas 96 h	No information available	1.46: 48 h Daphnia magna mg/L EC50	N/A
Chlorobenzene	EC50 2.55 - 420 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 12.5 mg/L Pseudokirchneriella subcapitata 96 h	LC50 7 - 8.5 mg/L Pimephales promelas 96 h LC50 = 4.5 mg/L Pimephales promelas 96 h LC50 6.9 - 7.9 mg/L Lepomis macrochirus 96 h LC50 4.1 - 4.9 mg/L Lepomis macrochirus 96 h LC50 4.1 - 5.3 mg/L Oncorhynchus mykiss 96 h LC50 = 91 mg/L Brachydanio rerio 96 h LC50 36.35 - 58.19 mg/L Poecilia reticulata 96 h	EC50 = 11.26 mg/L 30 min EC50 = 11.3 mg/L 30 min EC50 = 11.5 mg/L 15 min EC50 = 20 mg/L 10 min EC50 = 9.36 mg/L 5 min	0.59: 48 h Daphnia magna mg/L EC50	2.8

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
Polymeric diphenylmethane diisocyanate	9016-87-9	30-60	1.0
Methylenediphenyl diisocyanate	101-68-8	10-30	1.0
Chlorobenzene	108-90-7	0	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methylenediphenyl diisocyanate	5000 lb	Not applicable
Chlorobenzene	100 lb 1 lb	Not applicable

16. OTHER INFORMATION

Prepared By Laura Strauss
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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