Safety Data Sheet: FLEXI-FILL RTU, M/M PART A

Supercedes Date 04/09/2013*** **Issuing Date** 08/11/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FLEXI-FILL RTU, M/M PART A
Recommended use Patching compound ***
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.

BOX 152170
IRVING, TEXAS 75015

Product Code 4166A
Chemical nature Isocyanates***
Emergency Telephone Number
CHEMTREC® 800-424-9300***
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Amber*** **Physical State** Liquid*** **Odor** Slight Odor***

GHS
Classification
Physical Hazards
None***

Health Hazard

Skin Corrosion/Irritation	Category 2***
Serious Eye Damage/Eye Irritation	Category 2A***
Respiratory Sensitization	Category 1***
Skin Sensitization	Category 1***
Specific target organ systemic toxicity (single exposure)	Category 3***
Specific target organ systemic toxicity (repeated exposure)	Category 2***

Other hazards
None

Labeling
Signal Word
DANGER***

Hazard Statements
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
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
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P261 - Avoid breathing mist
P271 - Use in a well-ventilated area.
P285 - In case of inadequate ventilation wear respiratory protection
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P363 - Wash contaminated clothing 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 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms, call a physician
P308 + P313 - IF exposed or concerned, get medical attention
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 %
Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)] 4,4'diphenylmethane diisocyanate benzene, isocyanatophenyl***	53862-89-8	30-60
Methyllenediphenyl diisocyanate***	101-68-8	10-30
Polymeric diphenylmethane diisocyanate***	9016-87-9	10-30
Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-***	5873-54-1	7-13

***

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing mist. ***

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 Does not flash*** **Method** Not applicable***

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, SAFE WORK,AUSTRALIA (approved or equivalent) and full protective gear. ***

NFPA **Health** 2*** **Flammability** 0*** **Instability** 0***

HMIS **Health** 2*** **Flammability** 0*** **Instability** 0***

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. 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. ***

Storage Temperature **Minimum** *** 40*** °F*** / *** 4*** °C*** **Maximum** *** 95*** °F*** / *** 35*** °C***

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines ***

Component	ACGIH TLV	OSHA PEL	NIOSH
Methyllenediphenyl 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***

Benzene, 1-isocyanato-2-[(4-isocyanatophenyl) methyl]-***	No data available	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m^3***	No data available

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 Safety glasses with side-shields. ***

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**	Viscous***
Color	Amber***	**Odor**	Slight Odor***
Odor Threshold	Not applicable	**Appearance**	Opaque***
pH	Not applicable***	**Specific Gravity**	*** 1.09***
Evaporation Rate	<1 (BuAc = 1)***	**Percent Volatile (Volume)**	0***
VOC Content (%)	0***	**VOC Content (g/L)**	0***
Vapor Pressure	4 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	Not applicable*** °F*** / *** 207*** °C***	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash***	**Method**	Not applicable***
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 under normal conditions. 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 Protect from moisture, Keep away from open flames, hot surfaces, and sources of ignition, ***

Incompatible Products Water, Strong acids and oxidizing agents, ***

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), ***

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 (Rev. 3, 2009):

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 Inhalation, Skin Absorption, ***

Acute Effects

Eyes Causes serious eye irritation.. ***

Skin Causes skin irritation. May cause allergic skin reaction. ***

Inhalation Causes respiratory tract irritation. May cause allergic respiratory reaction. ***

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. Inhalation of vapors in high concentration may cause shortness of breath (lung edema) . ***

Target Organ Effects Respiratory system, Immune system, ***

Aggravated Medical Conditions Respiratory disorders, Skin disorders, ***

Component Information ***

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methyllenediphenyl 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
Polymeric diphenylmethane diisocyanate*** 9016-87-9			= 490 mg/m^3 (Rat) 4 h***	no data available	no data available
Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-*** 5873-54-1	> 7400 mg/kg (Rat)***	> 6200 mg/kg (Rabbit)***	= 0.369 mg/L (Rat) 4 h***	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	
Methyllenediphenyl diisocyanate*** 101-68-8	no data available	Skin sensitizer and respiratory sensitizer***	no data available	no data available	Eyes, Respiratory system, ***
Polymeric diphenylmethane diisocyanate*** 9016-87-9	no data available	Skin sensitizer and respiratory sensitizer***	no data available	no data available	no data available

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

Component	ACGIH	IARC	NTP	OSHA	Other
Methyllenediphenyl diisocyanate*** 101-68-8	not applicable	Group 3***	not applicable	not applicable	not applicable
Polymeric diphenylmethane diisocyanate*** 9016-87-9	not applicable	Group 3***	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information ***

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
Methyllenediphenyl diisocyanate***	101-68-8	10-30	1.0***
Polymeric diphenylmethane diisocyanate***	9016-87-9	10-30	1.0***
Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-***	5873-54-1	7-13	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
Methyllenediphenyl diisocyanate***	5000 lb***	Not applicable

16. OTHER INFORMATION

Prepared By Kim Franklin***
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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