Safety Data Sheet: MEND-CON RTU PART A

Supercedes Date 07/15/2015 **Issuing Date** 09/06/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEND-CON RTU PART A
Recommended use Bonding agent
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.

BOX 152170
IRVING, TX 75015

Product Code 5802A
Chemical nature Epoxy resins
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Light Straw **Physical state** Paste **Odor** Slight

GHS Classification

Physical Hazards
None

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 2

Other hazards
None

Labeling
Signal Word
WARNING

Hazard statements
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer

Precautionary Statements
P202 - Do not handle until all safety precautions have been read and understood
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
P261 - Avoid breathing dust.
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.
P308 + P313 - IF exposed or concerned, get medical attention
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	60-100
Trimethylol ethane triglycidyl ether	68460-21-9	10-30
2,2'- Ethylenedioxydiethyl bis(2-ethylhexanoate)	94-28-0	10-30
Titanium dioxide	13463-67-7	1-5

*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 dust.
Eye Contact Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.
Skin Contact Wash affected areas with large amounts of soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing and clean shoes before re-use.
Inhalation Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion Give 3 to 4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.
Notes to physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** No information available
Flammability Limits in Air %: Not applicable. **Upper:** No data available **Lower:** No data available
Suitable Extinguishing Media
Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
The product causes burns of eyes, skin and mucous membranes.
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** 0	**Instability** 0
HMIS -	**Health** 2	**Flammability** 0	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
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 dust.
Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.
Storage Temperature **Minimum** 40 °F / 4 °C **Maximum** 90 °F / 32 °C
Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Titanium dioxide	TWA: 10 mg/m^3	TWA: 15 mg/m^3 total dust	5000 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	Paste	**Viscosity**	Viscous
Color	Light Straw	**Odor**	Slight
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	No data available	**Specific Gravity**	1.1

Evaporation Rate	No data available	**Percent Volatile (Volume)**	Not apllicable
VOC Content (%)	Not applicable	**VOC Content (g/L)**	Not applicable
Vapor Pressure	No data available	**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	No data available	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	No information available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Not applicable	**Upper:** No data available **Lower:** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Products	Oxidizing agents.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Metal oxides, Carbon oxides, Halogenated compounds.
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	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Skin contact, Eye contact, Ingestion.
Primary Routes of Entry	Eye contact, Ingestion.
Acute Effects:	
Eyes	Causes serious eye irritation.
Skin	Causes skin irritation. May cause allergic skin reaction.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Low hazard for usual industrial or commercial handling.
Chronic Toxicity	May cause sensitization by skin contact. Contains a known or suspected carcinogen.
Target Organ Effects	None known.
Aggravated Medical Conditions	No information available.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Bisphenol A - Epichlorohydrin polymer 25068-38-6	= 11400 mg/kg (Rat)	no data available	No data available	No data available	No data available
2,2'- Ethylenedioxydiethyl bis(2-ethylhexanoate) 94-28-0	= 31 g/kg (Rat)	= 14100 µL/kg (Rabbit)	No data available	No data available	No data available
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	no data available	No data available	No data available	No data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Bisphenol A - Epichlorohydrin polymer 25068-38-6	No data available	Skin sensitization	No data available	No data available	No data available
Titanium dioxide 13463-67-7	No data available	No data available	No data available	No data available	Respiratory system

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

Component	ACGIH	IARC	NTP	OSHA	Other
Titanium dioxide 13463-67-7	not applicable	Group 2B	not applicable	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information No information available.

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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
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

16. OTHER INFORMATION

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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