

## Safety Data Sheet (SDS)

### 1 Identification

**Manufacturer/Distributor:** Rainbow Technology Corporation (800) 637-6047  
**Contact Person:** Larry Joe Steeley, Jr.  
**Emergency Phone # (24 Hrs.)** Chem-Tel Inc. (800) 255-3924  
**Product Number:** 79474 79482 79487  
**Product Name:** Re-Gel - Cured material  
**Product Description:** Non-Urethane Soya Based Polymer (Or Encapsulant)  
**Issue Date:** October 23, 2015  
**Replaces SDS Dated:** March 24, 2015

### 2 Hazard(s) identification

· **Classification of the substance or mixture**  
 This product is not classified as hazardous according to the health and physical hazard definitions under the GHS and 29 CFR 1900.1200

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
PHYSICAL HAZARD	0	Physical Hazard = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
 cured polybutadiene

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· **Description:** Mixture

## 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
- **After swallowing:** Do not induce vomiting. Obtain medical advice.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**  
Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
- **Protective equipment:** Protective clothing and respiratory protective device.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Avoid prolonged or repeated contact with skin.  
Avoid contact with eyes.  
Wash thoroughly after handling.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**  
Nitrile rubber, NBR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses with side shields.
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- |  |                           |
|--|---------------------------|
| · <b>Information on basic physical and chemical properties</b> |                           |
| · <b>General Information</b>                                   |                           |
| · <b>Appearance:</b>   |                           |
| <b>Form:</b>   | Solid                     |
| <b>Color:</b>  | Not determined.           |
| · <b>Odor:</b>   | Characteristic            |
| · <b>Odor threshold:</b>                                       | Not determined.           |
| · <b>pH-value:</b>   | Not applicable.           |
| · <b>Change in condition</b>                                   |                           |
| <b>Melting point:</b>  | Undetermined.             |
| · <b>Boiling point:</b>  | Not applicable.           |
| · <b>Flash point:</b>  | Not applicable.           |
| · <b>Flammability (solid, gaseous):</b>                        | Product is not flammable. |
| · <b>Ignition temperature:</b>                                 |                           |
| <b>Decomposition temperature:</b>                              | Not determined.           |

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· <b>Auto igniting:</b>	<i>Not determined.</i>
· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Vapor pressure:</b>	<i>Not applicable.</i>
· <b>Specific gravity:</b>	
<b>Relative density</b>	<i>Not determined.</i>
<b>Vapor density</b>	<i>Not applicable.</i>
<b>Evaporation rate</b>	<i>Not applicable.</i>
· <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	<i>Slightly soluble.</i>
· <b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not applicable.</i>
<b>Kinematic:</b>	<i>Not applicable.</i>
<b>Organic solvents:</b>	<i>0.0 %</i>
<b>Solids content:</b>	<i>100.0 %</i>
· <b>Other information</b>	<i>No further relevant information available.</i>

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## 10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *Carbon monoxide and carbon dioxide*

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## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Generally this product does not irritate the skin.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**  
*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.  
The substance is not subject to classification.*

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

*Substance is not listed.*

- **NTP (National Toxicology Program)**

*Substance is not listed.*

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· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

\* **12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

\* **13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

\* **14 Transport information**

- |  |                                 |
|--|---------------------------------|
| · <b>UN-Number</b>   |                                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | not regulated                   |
| · <b>UN proper shipping name</b>   |                                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | not regulated                   |
| · <b>Transport hazard class(es)</b>  |                                 |
| · <b>DOT</b>   |                                 |
| · <b>Class</b>   | not regulated                   |
| · <b>Label</b>   | This product meets the criteria |
|  |                                 |
| · <b>ADR, ADN, IMDG, IATA</b>  |                                 |
| · <b>Class</b>   | not regulated                   |
| · <b>Packing group</b>   |                                 |
| · <b>DOT, ADR, IMDG, IATA</b>  | not regulated                   |
| · <b>Environmental hazards:</b>  | Not applicable.                 |
| · <b>Special precautions for user</b>  | Not applicable.                 |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                 |

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· **UN "Model Regulation":** not regulated

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **(DSL) Canada Domestic Substance List**

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

· **New Jersey Right-to-Know List:**

Substance is not listed.

· **New Jersey Special Hazardous Substance List:**

Substance is not listed.

· **Pennsylvania Right-to-Know List:**

Substance is not listed.

· **Pennsylvania Special Hazardous Substance List:**

Substance is not listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

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· **MAK (German Maximum Workplace Concentration)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **National regulations:**

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Rainbow Technology makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Rainbow Technology or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

LC50: Lethal concentration, 50 percent

BEI: Biological Exposure Limit