



<b>Health</b>	<b>3</b>
<b>Fire</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	

## SECTION 1 – MATERIAL IDENTIFICATION

- A) **Trade / Material Name**                      Grey Epoxy Putty Hardener
- B) **Description**                                      Hardener for two-component knifing putty for steel and concrete surfaces for new constructions.
- C) **Product Code(s)**                                RTB-1288-R-B
- D) **Manufacturer Name**                            Ronass Chemical Producing Co.
- E) **Manufacturer Information**                    #95 Ghaem Magham Avenue, Tehran, Iran  
Tel: (+98-21) 88307248-9  
Fax: (+98-21) 88305965  
[www.ronass.com](http://www.ronass.com) | [info@ronass.com](mailto:info@ronass.com)
- F) **MSDS Preparation Date**                      July 17, 2018

## SECTION 2 – HAZARDOUS INGREDIENTS

Name	Percentage	Max. Legal Limit
Organic Solvents	Max. 5% (By Weight)	N.A.
Total Pigments	Max. 55% (By Weight)	N.A.
Solid Resins	Max. 40% (By Weight)	N.A.

## SECTION 3 – PHYSICAL DATA

- A) **Appearance and Odor**                      Coloured Liquid | Light Odor
- B) **V.O.C.**    Max. 5%
- C) **Viscosity**    44000 cps/RPM 20 / R-6
- D) **pH Range**    5.8 – 7
- E) **Water Solubility**                                No
- F) **Specific Gravity**                                1.40 ± 0.05 gr/cm3
- G) **Flash Point**                                        28°C
- H) **Boiling Point**                                    110°C
- I) **Melting / Freezing Point**                      N.A.

## SECTION 4 – STABILITY AND REACTIVITY DATA

**MATERIAL IS STABLE | HAZARDOUS POLYMERIZATION CANNOT OCCUR**

- |  |   |
|--|---|
| A) Chemical Incompatibilities          | Water, oil and inorganic compounds  |
| B) Conditions to Avoid                 | Excessive heat, sparks, open flame, high voltage power lines / switchboards |
| C) Hazardous Decomposition Product(s)  | Carbon Monoxide, Carbon Dioxide, Organic Solvent Vapor                      |
| D) Hazardous Polymerization Product(s) | None  |

## SECTION 5 – LEAK AND DISPOSAL PROCEDURES

- |                                   |   |
|-----------------------------------|---|
| A) Spill and / or Leak Procedures | Contain and collect with absorbent material   |
| B) Waste Management / Disposal    | In accordance with state and provincial regulations   |
| C) Large Spills                   | Remove all sources of ignition; ventilate area; Contain spill with inert absorbent, or mop up |

## SECTION 6 – FIRST AID MEASURES

**THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY OSHA, NTP, IARC**

- |   |   |
|---|---|
| A) Summary of Risks                                     | Contact may cause eye irritation; prolonged contact with skin can cause irritation; excessive inhalation can cause dizziness and headache |
| B) Medical Conditions That May Be Aggravated by Contact | Pre-existing disorders of the liver or kidneys, eyes, skin, or respiratory system may be aggravated by exposure to this product           |
| C) Primary Entry Route(s)                               | Eye contact; skin contact; respiratory and ingestion systems  |
| D) Acute Effect(s)                                      | Eye and skin irritation; dizziness; headache and nausea from excessive inhalation   |
| E) Chronic Effect(s)                                    | Aspiration of product into lungs (due to vomiting) can cause chemical pneumonitis, which can be fatal                                     |
| F) Signs and Symptoms of Overexposure                   |   |
| ❖ Eye Contact   | Redness; tearing; blurred vision  |
| ❖ Skin Contact  | Redness; blistering   |
| ❖ Inhalation  | Dizziness; headache   |
| ❖ Ingestion   | Nausea; cramps; diarrhea  |
| G) First Aid  |   |
| ❖ Eye Contact   | Flush with plenty water for 10 minutes; get medical advice  |
| ❖ Skin Contact  | Wash with soap and cool water; seek medical attention if irritation persists  |
| ❖ Inhalation  | Move to an area with fresh air  |
| ❖ Ingestion   | Do not induce vomiting; call a physician immediately for instructions   |



## SECTION 10 – TRANSPORTATION INFORMATION

A) Shipping Classification	3.3
B) WHMIS Classification	C
C) UN Number	1866
D) Packaging	4 L (Metal Container)

**THIS PRODUCT MSDS PROVIDES HEALTH AND SAFETY INFORMATION. THE PRODUCT IS TO BE USED IN APPLICATIONS CONSISTENT WITH COMPANY LITERATURE AND PRODUCT DIRECTIONS. INDIVIDUALS HANDLING THIS PRODUCT SHOULD HAVE ACCESS TO THIS INFORMATION. FOR ANY OTHER USES, EXPOSURES SHOULD BE EVALUATED SO THAT APPROPRIATE HANDLING PRACTICES AND TRAINING PROGRAMS CAN BE ESTABLISHED TO ENSURE SAFE WORKPLACE OPERATIONS. PLEASE CONTACT RONASS CHEMICAL PRODUCING CO. FOR FURTHER INFORMATION.**