



Health	3
Fire	0
Reactivity	0
Personal Protection	

SECTION 1 – MATERIAL IDENTIFICATION

- A) **Trade / Material Name** Two-Component Epoxy Hardener
 B) **Description** Epoxy Hardener
 C) **Product Code(s)** RTB-927-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 | info@ronass.com
 F) **MSDS Preparation Date** July 17, 2018

SECTION 2 – HAZARDOUS INGREDIENTS

Name	Percentage	Max. Legal Limit
Organic Solvents	Max. 70% (By Weight)	N.A.
Active Materials	Max. 30% (By Weight)	N.A.

SECTION 3 – PHYSICAL DATA

- A) **Appearance and Odor** Coloured T.P. Liquid | Light Odor
 B) **V.O.C.** Max. 65%
 C) **Viscosity** Max. 53 KU
 D) **pH Range** 5.5 – 7
 E) **Water Solubility** No
 F) **Specific Gravity** 0.92 ± 0.03 gr/cm³
 G) **Flash Point** 5°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

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|--|---|
| 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

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|-----------------------------------|---|
| 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

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|---|---|
| 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 / 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 |

