

Page 1 of 3

FOR CHEMICAL EMERGENCY ONLY:

US & CANADA: (800) 424-9300 **Int'l & Wash. DC:** (703) 527-3887

1. PRODUCT

IDENTIFICATION:

Product ID

N62020 - Instant Gas Tank & Radiator Repair - Resin

2. COMPOSITION/INGREDIENTS:

CHEMICAL NAME	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Wt. %
Epoxy resins	25068-38-6	NE	NE		60-100
Talc (no asbestiform fibres)	14807-96-6	2 mg/m ³ (dust)	2 mg/m ³ (dust)		30-60
Chlorinated paraffins	63449-39-8	5 mg/m ³	5 mg/m ³	NE	1-5
Crystalline silica	14808-60-7	10 mg/m ³ (8hr)	0.025 mg/m ³ (8hr)		0.1-1
Titanium dioxide	13463-67-7	10 mg/m ³ (8hr)	15 mg/m ³ (8hr)		0.1-1

3. HAZARDS IDENTIFICATION:

Emergency Overview

	HMIS	NFPA	
Health	2	2	Gray putty with mild epoxy odor. May be irritating to eyes & skin with direct contact. May be a skin sensitizer. Contact with product at elevated temperatures may cause thermal burns. KEEP OUT OF REACH OF CHILDREN.
Flammability	1	1	
Reactivity	0	0	
Physical Hazard			

Toxicity	Low order of oral toxicity noted. Unlikely to be an inhalation hazard due to low volatility.			
Primary routes of entry	Inhalation	Skin	Eyes	Ingestion
		X	X	
Signs/Symptoms of Exposure	Inhalation	Slight irritation with poor ventilation.		
	Skin	Irritating to skin. May cause allergic skin reaction with prolonged contact.		
	Eyes	Weeping, redness.		
	Ingestion	Irritating to mucous membranes.		

4. FIRST AID MEASURES:

Inhalation	Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.
Skin	Remove contaminated clothing and wash with soap & water. Get medical attention if symptoms persist (contaminated leather articles i.e. shoes should be disposed of as contaminated waste). NOTE: hot product burns require immediate medical attention.
Eyes	Flush eyes with large amounts of water for 15 minutes while holding eyes open. Get medical attention immediately.
Ingestion	Do not induce vomiting. In general, no treatment unless a large amount is ingested, however, get medical advice. NOTE TO PHYSICIAN: Emesis induction is normally not necessary in high viscosity, low volatility products, e.g. neat epoxy resins.

5. FIRE FIGHTING MEASURES: FLASH POINT: >200 °F/>93 °C

LEL: NE **UEL:** NE

Extinguishing Media	Water fog, foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures	Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet/face shield, bunker coat, gloves & rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire-exposed containers with water.
Hazardous Products of Combustion	Oxides of carbon and nitrogen.
Unusual Fire/Explosion Hazards	DO NOT BREATHE FUMES. Unidentified fumes & vapors may be toxic.

Product ID	N62020 - Instant Gas Tank & Radiator Repair - Resin
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Page 2 of 3

6. ACCIDENTAL RELEASE MEASURES:

Spill Procedures	Use cautious judgment when cleaning up large spills. Respirator & protective equipment as appropriate. Dike & contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.
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7. HANDLING AND STORAGE:

Handling	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Keep container closed when not in use.
Storage	Store in a cool, dry place away from open flames, high temperatures and incompatible materials. Protect from sunlight. Ambient room temperature storage (70F/21C).

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

EYES	SKIN	VENTILATION	OTHER
Safety glasses/goggles with side shields	Chemical resistant gloves	Fresh air source or mechanical, as needed.	None known

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Gray putty.	Odor: Mild epoxy odor.	Boiling Point: >500 F (> 260 C)
Specific Gravity (H₂O=1): 1.66	Solubility in Water: Negligible.	Melting Point: NE
Vapor Density (Air=1): NE	Vapor Pressure (mm Hg): 0.03 @ 77 F (25 C)	Evaporation Rate (Butyl acetate=1): NE
Volatile Organic Compounds-VOC (less exempt): 0 g/L		

10. STABILITY & REACTIVITY:

Stable: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Hazardous Polymerization: <input type="checkbox"/> may occur <input checked="" type="checkbox"/> may not occur
Incompatible materials:	Strong oxidizing agents, acids and bases.
Conditions to avoid:	Keep away from open flames & high temperatures. Do not store with incompatible materials.
Hazardous decomposition products:	Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION: Low order of oral toxicity. Unlikely to be an inhalation hazard due to low volatility. May cause skin sensitization with prolonged contact.

12. ECOLOGICAL INFORMATION: May cause long-term adverse effects in the aquatic environment. Do not flush to sewer.

13. DISPOSAL CONSIDERATIONS:

Cure by mixing with equal portion of paired component for non-hazardous solid waste disposal. Do not empty into drains, dispose of unreacted material and container at hazardous or special waste collection point.

14. SHIPPING:

DOT	Not restricted
IATA	Not restricted
IMDG	Not restricted

Product ID N62020 - Instant Gas Tank & Radiator Repair - Resin

Page 3 of 3

15. REGULATORY INFORMATION:

TSCA Status: All ingredients in this product are listed, or are exempt, for the TSCA Inventory list.

California Proposition 65:

WARNING: This product contains ingredients known to the State of California to cause cancer, birth defects or other reproductive harm.

Other: None known.

16. OTHER INFORMATION:

Abbreviations used in this document:

NA = not applicable

NE = not established

Preparation date: 08/04/14

Revision number: Rev 9

Prepared by: Mary Robles, Regulatory Affairs Manager

The data contained herein is based upon information that Pacer Technology believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

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Page 1 of 3

FOR CHEMICAL EMERGENCY ONLY: **US & CANADA:** (800) 424-9300 **Int'l & Wash. DC:** (703) 527-3887

1. PRODUCT

IDENTIFICATION:

Product ID **N62020 - Instant Gas Tank & Radiator Repair - Hardener**

3. COMPOSITION/INGREDIENTS:

CHEMICAL NAME	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Wt. %
Proprietary Amine Hardener	Proprietary	NE	NE	NE	60-100
Talc (no asbestiform fibres)	14807-96-6	2 mg/m ³ (dust)	2 mg/m ³ (dust)		30-60
Ferrosilicon	8049-17-0	NE	NE		5-10
Chlorinated paraffin waxes	63449-39-8	5 mg/m ³	5 mg/m ³		1-5
Crystalline silica	14808-60-7	10 mg/m ³ (8hr)	0.025 mg/m ³ (8hr)		0.1-1
Triethylenetetramine	112-24-3	NE	NE		0.1-1

3. HAZARDS IDENTIFICATION:

Emergency Overview

	HMIS	NFPA	
Health	2	2	Black putty with amine odor. Irritating to eyes, respiratory system and skin. Contact with product at elevated temperatures may cause thermal burns. KEEP OUT OF REACH OF CHILDREN.
Flammability	1	1	
Reactivity	0	0	
Physical Hazard			

Toxicity	May cause allergic skin reaction with prolonged contact. May aggravate pre-existing skin/eye/lung conditions. May be harmful if swallowed.			
Primary routes of entry	Inhalation	Skin	Eyes	Ingestion
	X	X	X	
Signs/Symptoms of Exposure	Inhalation	Slight irritation with poor ventilation.		
	Skin	Irritating to skin. May cause allergic skin reaction with prolonged contact.		
	Eyes	Weeping, redness.		
	Ingestion	Irritation of mucous membranes.		

4. FIRST AID MEASURES:

Inhalation	Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.
Skin	Remove contaminated clothing and wash skin with soap & water. Get medical attention if symptoms persist (contaminated leather articles i.e. shoes should be disposed of as contaminated waste). NOTE: hot product burns require immediate medical attention.
Eyes	Flush eyes with large amounts of water for 15 minutes while holding eyes open. Get medical attention immediately.
Ingestion	Do not induce vomiting. Call a physician or poison control center immediately and show container label. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES: FLASH POINT: >200 °F/>93 °C, (TCC) LEL: NE UEL: NE

Extinguishing Media	Water fog, foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures	Do not enter confined fire space without full bunker gear (helmet/face shield, bunker coat, gloves & rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire-exposed containers with water.
Hazardous Products of Combustion	Carbon monoxide, carbon dioxide, and nitrogen oxides.

Product ID N62020 - Instant Gas Tank & Radiator Repair - Hardener

Page 2 of 3

Unusual Fire/Explosion Hazards	DO NOT BREATHE FUMES. Unidentified fumes & vapors may be toxic.
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6. ACCIDENTAL RELEASE MEASURES:

Spill Procedures	Use cautious judgment when cleaning up large spills. Respirator & protective equipment as appropriate. Dike & contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.
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7. HANDLING AND STORAGE:

Handling	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Keep container closed when not in use. Do not take internally.
Storage	Store in a cool, dry place away from open flames, high temperatures and incompatible materials. Protect from sunlight. Ambient room temperature storage (70F/21C).

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

EYES	SKIN	VENTILATION	OTHER
Safety glasses/goggles with side shields	Chemical resistant gloves	Fresh air source or mechanical, as needed.	None known

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Black putty	Odor: Amine odor.	Boiling Point: NE
Specific Gravity (H₂O=1): 1.66	Solubility in Water: Insoluble.	Melting Point: NE
Vapor Density (Air=1): NE	Vapor Pressure (mm Hg): NE	Evaporation Rate (Butyl acetate=1): NE
Volatile Organic Compounds-VOC (less exempt): 0 g/L		

10. STABILITY & REACTIVITY:

Stable: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Hazardous Polymerization: <input type="checkbox"/> may occur <input checked="" type="checkbox"/> may not occur
Incompatible materials:	Strong oxidants, amines especially when hot.
Conditions to avoid:	Keep away from open flames & high temperatures. Do not store near large masses of epoxy resins.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, and nitrogen oxides.

15. TOXICOLOGICAL INFORMATION: May cause allergic skin reaction with prolonged contact. May aggravate pre-existing skin/eye/lung conditions. May be harmful if swallowed.

16. ECOLOGICAL INFORMATION: Do not flush to sewer.

17. DISPOSAL CONSIDERATIONS:

Cure by mixing with equal portion of paired component for non-hazardous solid waste disposal. Do not empty into drains, dispose of unreacted material and container at hazardous or special waste collection point.

18. SHIPPING:

DOT	Not restricted
IATA	Not restricted
IMDG	Not restricted

Product ID	N62020 - Instant Gas Tank & Radiator Repair - Hardener
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Page 3 of 3

17. REGULATORY INFORMATION:

TSCA Status: All ingredients in this product are listed, or are exempt, for the TSCA Inventory list.
California Proposition 65: WARNING: This product contains ingredients known to the State of California to cause cancer, birth defects or other reproductive harm.
SARA Section 313 Toxic Chemical: None known.
Other: None known.

18. OTHER INFORMATION:

Abbreviations used in this document:

NA = not applicable
NE = not established

Preparation date: 08/04/14
Revision number: Rev 9
Prepared by: Mary Robles, Regulatory Affairs Manager

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