

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 AND SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 PUBLIC LAW 99-499. STANDARD SHOULD BE CONSULTED FOR SPECIFIC REQUIREMENTS.

**MANUFACTURER/
SUPPLIERS NAME:**

EUTECTIC CORPORATION
N94 W14355 Garwin Mace Drive
Menomonee Falls, WI 53051 USA

TELEPHONE NUMBER
1-800-558-8524

PRODUCT NAME: **ABRACOR® Non Skid - Hardener**

PRODUCT CLASSIFICATION: **Wear Resistant Composite**

IMPORTANT: This section covers the materials from which these products are manufactured. The fumes and gases produced during normal use of these products are covered in Section V. The term "Hazardous" in "Hazardous Ingredients" should not only be interpreted as a term required and defined in OSHA Hazard Communication Standard (29 CFR Part 1910.1200), but also as defined by other regulatory agencies. The chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

1. Hazardous Ingredients:

Ingredient	%W/W	OSHA PEL mg/m³	ACGIH TLV mg/m³	CAS #
Aliphatic Amine Diethylene Triamine	10 – 20	N/E	N/E	Mixture 80-05-07 111-40-0
Phenolic Modified Polyamine	40 – 50	N/E	N/E	Mixture 108-95-2 50-00-0
Aliphatic Amine Tris 2,4,6 Dimethylaminemethyl Phenol	0 – 5	N/E	N/E	90-72-2
Hydrocarb n Resin	10 – 20	N/E	N/E	Mixture 25155-81-1 108-88-3
Inorganic Fillers	20 – 30	N/E	N/E	N/E

Exposure limits are subject to change. Contact ACGIH, OSHA, NIOSH, and IARC for current values.

2. Physical Data:

Boiling Point:	N/A	Color:	Grey
Vapor Pressure:	N/A	Appearance:	Thick liquid
Vapor Density:	N/A	Odor:	Ammonia
Solubility in Water:	Slight	Physical State:	Not Applicable
Specific Gravity:	1.2		

3. Fire and Explosion Hazard Data:

Flash Point	480 °F (closed cup)
Flammable Limits-	
LFL:	N/A
UFL:	N/A
Extinguishing Media:	Water fog, CO ₂ , dry chemical
Fire Fighting Equipment:	Water or foam may cause frothing which can be violent and life threatening if sprayed directly into burning liquid. Use self-contained breathing apparatus with full face piece.

These products as shipped are non-hazardous, nonflammable, non-explosive, and non-reactive.
Rating under National Fire Protection 704: Health, 1: Flammability, 0: Reactivity, 0.

4. Reactivity Data:

Stability:	Stable
Condition to Avoid:	Extreme Heat
Materials to Avoid:	Strong oxidizing agents. Epoxy resin will cause polymerization.
Hazardous Products:	May form toxic materials, carbon dioxide and carbon monoxide, various hydrocarbons, etc.

5. Environmental and Disposal Information:

Spills/Leaks:	Scrape or wipe up with suitable material for disposal. Flush contaminated area with water.
Disposal Method:	Deposit in landfill in accordance with all local, state, and federal regulations or incinerate in accordance with local pollution regulations.

6. Health Hazard Data:

Eye:	May cause irritation to the eyes.
Skin Contact:	May cause reddening, irritation, dermatitis after prolonged or repeated use.
Ingestion:	Moderately toxic if swallowed. Seek medical attention.
Chronic Effects:	Contains polyethylene polyamines which are reported to cause liver and kidney damage on repeated overexposure. Both positive and negative Ames Test results reported similar material.

PRIMARY ROUTES OF ENTRY are the respiratory system, eyes, and/or skin.

PREEXISTING respiratory or allergic conditions may be aggravated in some individuals.

7. First Aid:

Eye:	Flush eyes with water for 15 minutes and contact physician.
Skin Contact:	Remove contaminated clothing. Wash with soap and water.
Ingestion:	Seek medical attention.
Inhalation:	Remove to fresh air. Provide oxygen if necessary. Seek medical advice.

8. Handling Precautions:

Exposure Guidelines:	None established.
Eye Protection:	Chemical Goggles or Face Shield
Ventilation:	General mechanical ventilation. Exhaust required for application in confined areas.
Respiratory Protection:	NIOSH respirator. Organic Vapor.
Protective Equipment:	Coveralls or work clothes covering skin, rubber gloves, eye protection.

9. Comments:

The information in this MSDS was obtained from sources we believe are reliable. However, this information is provided without any representation or warranty, expressed or implied, regarding accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability of loss, damage, or expense arising from it or in any way connected with the handling, storage, use, or disposal of the product.

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MANUFACTURER/ SUPPLIERS NAME:	EUTECTIC CORPORATION N94 W14355 Garwin Mace Drive Menomonee Falls, WI 53051 USA	TELEPHONE NUMBER 1-800-558-8524
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PRODUCT NAME: ABRACOR[®] Non Skid - Resin

PRODUCT CLASSIFICATION: Wear Resistant Composite

IMPORTANT: This section covers the materials from which these products are manufactured. The fumes and gases produced during normal use of these products are covered in Section V. The term "Hazardous" in "Hazardous Ingredients" should not only be interpreted as a term required and defined in OSHA Hazard Communication Standard (29 CFR Part 1910.1200), but also as defined by other regulatory agencies. The chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

1. Hazardous Ingredients:

Ingredient	%W/W	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	CAS #
Bisphenol A-Epichlorohydrin	Balance	N/E	N/E	25068-38-6
Aliphatic Glycidyl Ether	15 – 20	N/E	N/E	68609-97-2

Exposure limits are subject to change. Contact ACGIH, OSHA, NIOSH, and IARC for current values.

2. Physical Data:

Boiling Point:	N/A	Color:	Clear
Vapor Pressure:	N/A	Appearance:	Thick Liquid
Vapor Density:	N/A	Odor:	Sweet
Solubility in Water:	Slight	Physical State:	Not Applicable
Specific Gravity:	2.23		

3. Fire and Explosion Hazard Data:

Flash Point:	N/A
Flammable Limits-	
LFL:	N/A
UFL:	N/A
Extinguishing Media:	Water fog, CO ₂ , dry chemical
Fire Fighting Equipment:	Water or foam may cause frothing which can be violent and life threatening if sprayed directly into burning liquid. Use self-contained breathing apparatus with full face piece and impervious protective clothing.

These products as shipped are non-hazardous, nonflammable, non-explosive, and non-reactive.
Rating under National Fire Protection 704: Health, 1: Flammability, 0: Reactivity, 0.

4. Reactivity Data:

Stability:	Stable
Condition to Avoid:	Extreme Heat
Materials to Avoid:	Strong oxidizing agents. Epoxy resin will cause polymerization.
Hazardous Products:	When product burns, may form toxic materials, carbon dioxide and carbon monoxide, various hydrocarbons, etc.

5. Environmental and Disposal Information:

Spills/Leaks:	Scrape or wipe up with suitable material for disposal. Flush contaminated area with water.
Disposal Method:	Deposit in landfill in accordance with all local, state, and federal regulations or incinerate in accordance with local pollution regulations.

6. Health Hazard Data:

Eye:	May cause eye irritation
Skin Contact:	May cause sensitization, reddening, irritation, and dermatitis after prolonged or repeated exposure.
Ingestion:	Single dose toxicity is considered extremely low.
Inhalation:	Irritation may be caused. Nausea, vomiting, and/or diarrhea may result.
Chronic Effects:	Repeated exposures are not anticipated to cause significant adverse effects.

PRIMARY ROUTES OF ENTRY are the respiratory system, eyes, and/or skin.

PREEXISTING respiratory or allergic conditions may be aggravated in some individuals.

7. First Aid:

Eye:	Flush eyes with water for 15 minutes - contact physician.
Skin Contact:	Remove contaminated clothing. Wash with soap and water.
Ingestion:	Seek medical attention.
Inhalation:	Remove to fresh air. Provide oxygen if necessary. Contact physician if adverse effects occur.

8. Handling Precautions:

Exposure Guidelines:	None established.
Ventilation:	General mechanical ventilation. Exhaust required for application in confined areas.
Respiratory Protection:	Not ordinarily required, unless grinding or machining of product is necessary.
Protective Equipment:	Coveralls or work clothes covering skin, rubber gloves. Wear goggles when grinding or machining.

9. Comments:

The information in this MSDS was obtained from sources we believe are reliable. However, this information is provided without any representation or warranty, expressed or implied, regarding accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability of loss, damage, or expense arising from it or in any way connected with the handling, storage, use, or disposal of the product.

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SUPPLIERS NAME:**

EUTECTIC CORPORATION
N94 W14355 Garwin Mace Drive
Menomonee Falls, WI 53051 USA

EMERGENCY PHONE:
(262) 255-5520

PRODUCT NAME:

ABRACOR[®] Non Skid – Grain

PRODUCT CLASSIFICATION:

Wear Resistant Composite

IMPORTANT: This section covers the materials from which these products are manufactured. The fumes and gases produced during normal use of these products are covered in Section V. The term "Hazardous" in "Hazardous Ingredients" should not only be interpreted as a term required and defined in OSHA Hazard Communication Standard (29 CFR Part 1910.1200), but also as defined by other regulatory agencies. The chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

WARNING: This product contains or produces a chemical known to the State of California to cause birth defects (or other reproductive harm) and cancer. (California Health & Safety Code 25249.5 et seq.)

1. Hazardous Ingredients:

Ingredient	%W	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	CAS #
Silicon Carbide (SiC)	100	5	N/E	409-21-2

Exposure limits are subject to change. Contact ACGIH, OSHA, NIOSH, and IARC for current values.

2. Physical Data:

Boiling Point:	N/A	Color:	Black
Vapor Pressure:	N/A	Appearance:	Shiny grain
Vapor Density:	N/A	Odor:	Odorless
Solubility in Water:	Negligible	Physical State:	Solid
Specific Gravity:	3.2		

3. Fire and Explosion Hazard Data:

Flash Point:	N/A
Flammable Limits-	
LFL:	N/A
UFL:	N/A
Extinguishing Media:	None required
Fire Fighting Equipment:	Not required

These products as shipped are non-hazardous, nonflammable, non-explosive, and non-reactive.
Rating under National Fire Protection 704: Health, 0; Flammability, 0; Reactivity, 0.

4. Reactivity Data:

Stability:	Stable
Condition to Avoid:	None
Materials to Avoid:	None
Hazardous Products:	Will not occur

5. Environmental and Disposal Information:

Spills/Leaks:	Scrape or sweep up for reuse or disposal.
Disposal Method:	Deposit in landfill in accordance with all local, state, and federal regulations.

6. Health Hazard Data:

Eye:	May cause eye irritation
Skin Contact:	May cause sensitization, reddening, irritation, and dermatitis after prolonged or repeated exposure.
Ingestion:	May cause stomach pain.
Inhalation:	Lung irritation may be indicated by shortness of breath. Avoid dust from SiC 240 mesh and finer.
Chronic Effects:	Prolonged exposure may lead to pulmonary problems.

PRIMARY ROUTES OF ENTRY is the respiratory system.

PREEXISTING respiratory or allergic conditions may be aggravated in some individuals.

7. First Aid:

Eye:	Flush eyes with water for 15 minutes - contact physician.
Skin Contact:	Remove contaminated clothing. Wash with soap and water.
Ingestion:	Seek medical attention.
Inhalation:	Remove to fresh air. Provide oxygen if necessary. Contact physician.

8. Handling Precautions:

Exposure Guidelines:	None established.
Ventilation:	General mechanical ventilation. Exhaust required for application in confined areas.
Respiratory Protection:	Use U.S. Bureau of mines approved respirator approved for dusts and pneumoconiosis.
Protective Equipment:	Coveralls or work clothes covering skin, rubber gloves when mixing with kit. Wear goggles when grinding or machining.

9. Comments:

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