

Material Safety Data Sheet

Material Name: RP 105B Resin

ID: Amer-015

The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

*** Section 1 - Chemical Product and Company Identification ***

Part Number:

Chemical Name: RP 105B Resin

Product Use: Resin in Polyester resin kit

Synonyms: polyester resin with fillers

Manufacturer Information

Ameron International Fiberglass Div
1004 Ameron Road
P. O. Box 878
Burkburnett, TX 76354

Phone #: (940) 569-1471
Fax #: (940) 569-2764
Chemtrec 24 hr Emergency #: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

CAS#	Components	Percent
proprietary	Vinyl ester resin	<30
#100-42-5	Styrene Monomer	<30
#9002-88-4	Polyethylene	<30
# 1344-28-1	Aluminum Oxide	<15
#121-69-7	Dimethylaniline	<1
#67762-90-7	Silicon Dioxide	<3

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 DFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview: Product is a dark gray paste with black specks and a strong styrene odor. Toxic fumes and gases may be released during combustion. Contact can cause skin irritation.

Hazard Statements: Skin irritant, dermatitis, and respiratory irritation; can produce moderate heat when combined with catalyst.

Potential Health Effects: Eyes: May cause irritation and tears.

Potential Health Effects: Skin: Moderate irritant, dermatitis.

Potential Health Effects: Ingestion: May cause gastrointestinal disturbances, pain and discomfort.

Potential Health Effects: Inhalation: Respiratory irritation, nausea, headache, unconsciousness, asphyxiation.

HMIS RATINGS: Health: 2+ Fire: 3 Reactivity: 1 Pers. Prot.:

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes: Flush with copious amounts of water for 15 minutes.

First Aid: Skin: Wash with soap and water.

First Aid: Ingestion: Do not induce vomiting (aspiration hazard). Seek immediate medical attention.

First Aid: Inhalation: Remove victim from exposure. If victim is unconscious, administer artificial respiration and / or oxygen as needed. Seek medical aid.

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First Aid: Notes to Physician: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

*** Section 5 - Fire Fighting Measures ***

Flash Point:	89°F	Method Used:	TCC
Upper Flammable Limit (UFL):	6.1%	Lower Flammable Limit (LFL):	1.1%
Auto Ignition:	NA	Flammability Classification:	1C

General Fire Hazards:

At elevated temperatures, such as in a fire, polymerization may take place. If polymerization takes place in a closed container, there is possibility of violent rupture of the container. Product vapors may form an explosive mixture.

Extinguishing Media:

Water spray, foam, dry chemical, carbon dioxide or any class B extinguishing agent.

Fire Fighting Equipment/Instructions:

Firefighters should wear self-contained breathing apparatus. Also must be thoroughly decontaminated after use.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 1 Other: 0

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures: Remove all sources of ignition. Ventilate area.

Clean-Up Procedures: Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place in a closed container.

Evacuation Procedures: NA

Special Procedures: NA

*** Section 7 - Handling and Storage ***

Handling Procedures: Avoid prolonged or repeated skin contact. Avoid inhalation of heated vapors. Avoid improper addition of promoter and/or catalyst.

Storage Procedures: Avoid storage above 100°F. Store away from sources of ignition.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines: TWA: 50 ppm; STEL: 100 ppm/15 minutes

Engineering Controls: Good ventilation is necessary.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face: Wear safety glasses

Personal Protective Equipment: Skin: Wear appropriate impervious gloves to prevent skin contact.

Personal Protective Equipment: Respiratory: If a TLV or PEL is exceeded then suitable respiratory protection must be worn.

Personal Protective Equipment: General: Eye wash station should be available.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Thick gray paste with black specks	Odor:	Pungent
Physical State:	Paste	pH:	NA
Vapor Pressure:	(Styrene @ 68EF)	Vapor Density:	Heavier than air
Boiling Point:	295°F	Melting Point:	NA
Solubility (H₂O):	Insoluble	Specific Gravity:	1.15 -1.25
Freezing Point:	NA	Particle Size:	NA
Softening Point:	NA	Evaporation Rate:	Slower than n-Butyl Acetate

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Viscosity: NA
Percent Volatile: <30

Bulk Density: NA
Molecular Weight: Mixture

Physical Properties: Additional Information:
None

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability: Stable

Chemical Stability: Conditions to Avoid: Heat and direct sunlight

Incompatibility: Strong acids and oxidizing agents

Hazardous Decomposition: Heating of this material to decomposition may cause the emission of irritating, acrid fumes.

Hazardous Polymerization: May Occur

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information: See Components

B: Component LD50/LC50: Styrene LD50 (oral/rat) 5 gm/kg; LD50 (Drml/rabbit) 2820 mg/kg LC50 (Inhl/rat) 24 gm/m³/4 hours

Carcinogenicity

A: General Product Information: The International Agency for Research on Cancer (IARC) has classified styrene as possibly carcinogenic to humans (class 2B)

B: Component Carcinogenicity: Yes: Styrene

Epidemiology: NA

Neurotoxicity: NA

Mutagenicity: NA

Teratogenicity: NA

Other Toxicological Information: NA

*** Section 12 - Ecological Information ***

Ecotoxicity: NA

Environmental Fate: If discarded this material and containers should be treated as hazardous wastes based on the characteristic of ignitability as defined by RCRA. The resin can be mixed with curing agent and cured until it is a solid then land filled.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information: NA

B: Component Waste Numbers: NA

Disposal instructions: If discarded this material and containers should be treated as hazardous wastes based on the characteristic of ignitability as defined by RCRA. The resin can be mixed with curing agent and cured until it is a solid then land filled.

*** Section 14 - Transportation information ***

US DOT Information:

Shipping Name: Polyester Resin Kit

Hazard Class: 3

UN/NA#: UN3269

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Packing Group: III

Required Label(s): Flammable

Additional Info.: NA

International Transportation regulations: Canadian WHMIS Classification: B2, D2A, D2B

***** Section 15 - Regulatory Information *****

US Federal Regulations

A: General Product Information: NA

B: Component Information:

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Styrene (CAS# 96-09-3) % by weight: <30

State Regulations

A: General Product Information: NA

B: Component Information

Component	CAS#	CA	FL	MA	MN	NJ	PA
Styrene Oxide	#96-09-3	X					

Other Regulations

A: General Product Information: NA

B: Component Information: Styrene Oxide is listed by California as to cause cancer, Prop 65.

***** Section 16 - Other Information *****

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

NA = Not Applicable; NE = Not Established; EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SADT = Self Accelerating Decomposition Temperature.

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This is the end of MSDA # Amer-015