

Safety Data Sheet

ResNsand

MSDS No. 16000.5

Date of Preparation: 3/9/06

Revision: 5/25/12

Section 1 - Chemical Product and Company Identification

Product: ResNsand

Chemical Family: Poly Allyl DiGlycol Carbonate

Manufacturer: Marshall Additive Technologies

Division of the R. J. Marshall Company

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Date Revised: 5/25/12

Preparer: Stephanie Nichols

Section 2 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: Inhalation, Eye, and Ingestion.

Acute Effects

Inhalation: Inhalation of high concentrations of this inert nuisance particulate can result in mild irritation of the respiratory tract.

Eye: May cause irritation or scratch the surface of the eye through mechanical abrasion.

Skin: May cause slight irritation.

Ingestion: May be harmful if swallowed.

Carcinogenicity: NTP, IARC, or OSHA does not consider this product carcinogenic.

Medical Conditions Aggravated by Long-Term Exposure: n/a

HMIS

H 2

F 0

R 0

PPE†

†Sec. 8

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Percent by Weight
Poly Allyl DiGlycol Carbonate	25656-90-0	>99.5%
Anti-static agent	002764-13-8	<0.5%

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Poly Allyl DiGlycol Carbonate	none estab.	none estab.	none estab.	none estab.
Anti-static agent	none estab.	none estab.	none estab.	none estab.

Section 4 - First Aid Measures

Inhalation: If overcome by high dust concentrations, remove to a ventilated area. Call physician if irritation persists.

Eye Contact: Flush eyes thoroughly for 15 minutes taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

Skin Contact: Wash skin thoroughly with soap and water for at least 15 minutes. Consult a physician if irritation persists.

Ingestion: Immediately induce vomiting by giving two glasses of water. Call a physician.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: n/a

Special Precautions/Procedures: n/a

R-phrases: R36/37/38

S-phrases: S26, S28, S46, S63

Section 5 - Fire-Fighting Measures

Flash Point: n/a

Flash Point Method: n/a

Burning Rate: Not determined.

Auto-ignition Temperature: Not determined.

Flammability Classification: Non-flammable.

Extinguishing Media: Foam, Water spray, carbon dioxide, steam, or other dry chemical.

Unusual Fire or Explosion Hazards: Dust can form explosive mixture with air. Sealed (closed) containers can build up pressure if exposed to heat (fire). **R-phrases:** R2, R44. **S-phrases:** S33, S15/16

Hazardous Combustion Products: Smoke, propane, carbon dioxide.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode. Wear full protective clothing. **S-phrases:** S41, S43

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Sweep up and place in appropriate disposal container. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures, and oxidizing agents.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with eyes. Use in a well ventilated area.

Storage Requirements: Store in closed, properly labeled containers in a cool, ventilated area. Keep away from heat, open flames, and oxidizing agents. Do not transfer to unmarked containers. **S-phrases:** S7/8/9

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Mechanical ventilation and local exhaust. Use explosion proof electrical equipment for very high dust levels.

Administrative Controls:

Respiratory Protection: Recommend a 3M #8710 Dust and Mist respirator.

Protective Clothing/Equipment: Use rubber gloves. Wash thoroughly before eating, smoking, applying cosmetics, etc. Safety glasses with side shield, goggles and/or a face shield. If necessary, protective rubber apron, shoes, or boots, or TYVEC protective suit with hood.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

S-phrase: S51, S38, S36/37/39

Section 9 - Physical and Chemical Properties

Physical State: granular

Appearance and Odor: odorless, clear solid.

Odor Threshold: n/e

Vapor Pressure: n/e

Vapor Density (Air=1): n/a

Formula Weight: n/a

Density: n/a

Specific Gravity (H₂O=1, at 4 °C): 1.31

pH: 5.19

Water Solubility: Insoluble

Other Solubilities: n/a

Boiling Point: n/a

Freezing/Melting Point: n/a

Viscosity: n/a

Refractive Index: n/a

Surface Tension: n/a

% Volatile: n/a

Evaporation Rate: n/a

Section 10 - Stability and Reactivity

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: None known.

Conditions to Avoid: Excessive heat, ignition sources.

Hazardous Decomposition Products: Smoke, propane, carbon dioxide.

Section 11- Toxicological Information

Toxicity Data:*

Very low order of acute toxicity.

Section 12 - Ecological Information

Cleaned up material is not known to pose any significant ecological problems. Always comply with Federal, State, and local regulations.

Section 13 - Disposal Considerations

Disposal: Dispose as solid waste in sanitary landfill or incinerate according to Federal, State, and local regulations. Do not incinerate closed containers.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

NMF classification: Class 60-Item 156200

Section 15 - Regulatory Information

EPA Regulations:

- RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
- RCRA Hazardous Waste Classification: Not classified
- CERCLA Hazardous Substance (40 CFR 302.4) Not listed
- SARA Toxic Chemical (40 CFR 372.65): Not listed
- SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

International Regulations:

- Australia: Present on AICS.
- Canada: Present on Non-Domestic Substances List (NDSL).
- China: Not present.
- Europe: Not present on EINECS.
- Japan: Present on ENCS. 6-1159
- Korea: Present on ECL. KE-10464
- New Zealand: Not present.
- Philippines: Not present on PICCS.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated to GHS

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

Ultra 4	Ultra 8	Ultra 12	Ultra 16	Ultra 20
Ultra 40	Ultra 60	Ultra 100	Ultra 200	Ultra 300
Ultra 1200	Ultra -30			

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