

Material Safety Data Sheet

Reflections

MSDS No. 10020.2

Date of Preparation: 3/22/99

Revision: 12/17/09

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Reflections

General Use: Sparkle additive.

Manufacturer: The R. J. Marshall Company
26776 W. 12 Mile Road
Southfield, MI 48034-7807
Phone: (248) 353-4100, Fax: (248) 948-6460

Emergency Phone: (800) 424-9300

Date Revised: 12/17/09

Prepared By: Stephanie Nichols

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number
Copolymer or Aluminum Copolymer	-----
Alumina Trihydrate	21645-51-2

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Copolymer or Aluminum Copolymer	-----	-----	-----	-----
Alumina Trihydrate	none estab.	none estab.	none estab.	none estab.

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS
H 1
F 0
R 0
PPE† E
†Sec. 8

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 through mechanical abrasion.

Skin: May cause irritation through mechanical abrasion.

Ingestion: Unlikely.

Carcinogenicity: Neither this product nor any of its components are considered carcinogenic by OSHA, IARC, NTP, ACGIH.

Chronic Effects: n/a

Medical Conditions aggravated by exposure to the product: Asthma, chronic lung disease, and skin rashes.

Section 4 - First Aid Measures

Inhalation: If overcome by high dust concentrations, remove to a ventilated area. If signs/symptoms continue, call a physician.

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: If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult a physician immediately.

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

Note to Physicians: n/a

Special Precautions/Procedures: n/a

Section 5 - Fire-Fighting Measures

Flash Point: None known.

Flash Point Method: n/a

Burning Rate: Not determined.

Auto-ignition Temperature: Not determined.

Flammability Classification: n/a

Extinguishing Media: Water spray, dry chemical, and foam.

Unusual Fire or Explosion Hazards: None known.

Hazardous Combustion Products: Hazardous combustion products may include oxides of carbon, nitrogen, hydrogen, and aldehydes.

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.

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Collect solids. Recycle if possible.

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

Section 7 - Handling and Storage

Handling Precautions: Avoid generating dust during handling. Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries." Always practice good industrial hygiene; avoid contact with hands and mouth, use safety glasses, dust mask, and protective clothing as needed.

Storage Requirements: Store away from excessive heat and sources of ignition. Keep material dry.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Use suitable respiratory protection in case of insufficient ventilation. Recommend: Filter NIOSH N95.

Protective Clothing/Equipment: Wear appropriate gloves to avoid any skin injury. Wear strong gloves. Use safety glasses with full side shields or goggles.

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

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: powder

Appearance and Odor: various colors; odorless

Odor Threshold: mild

Vapor Pressure: negligible

Vapor Density (Air=1): n/a

Formula Weight: n/a

Density: n/e

Specific Gravity (H₂O=1, at 4 °C): >1

pH: n/a

Water Solubility: Less than 1%

Boiling Point: n/a

Freezing/Melting Point: This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.

Viscosity: n/a

Refractive Index: n/a

Surface Tension: n/a

% Volatile: negligible

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.

Chemical Incompatibilities: Avoid contact with acids, alkalis and strong oxidizing agents.

Reactions: Heating the material above 200C will result in a sudden release of water vapor (steam). Precautions must be taken to dissipate the vapor and any pressure that may be generated. A sudden increase in pressure could cause damage or explosion in enclosed equipment.

Section 11- Toxicological Information

Toxicity Data:*

These products are not considered to be hazardous under normal conditions of use; if inhaled or ingested there are no known adverse affects to be expected, however, in the event of accidental exposure, always seek medical attention.

Section 12 - Ecological Information

These products are not expected to produce any adverse environmental effects.

Section 13 - Disposal Considerations

Disposal: If reuse or recycling is not possible, material may be disposed of at an industrial landfill.

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.

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification (40 CFR 261.??): 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

TSCA

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

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: 12/17/09

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

RFL-C	RFL-G	RFL-S
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