

Material Safety Data Sheet (MSDS)

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I. PRODUCT IDENTIFICATION

Company Name: R.E. Carroll, Inc.	Product Name: Amorphous precipitated silica
Address: 1570 North Olden Ave. Trenton, NJ 08638-3204	Date Prepared: 08/2005
	Prepared by:
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II. COMPOSITION/COMPONENTS

Chemical Description: Amorphous precipitated silica, SiO ₂	Weight 90%	Case No. 112926-00-8	Synonyms: White carbon black, NEWSIL - ALL GRADES Synthetic silica, Silica Dioxide, precipitated silica
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III. PHYSICAL DATA

Boiling Point: n/a	Specific Gravity: n/a
Vapor Pressure (mm HG): n/a	Melting Point (°C): n/a
Vapor Density (AIR = 1): n/a	Bulk Density (kg/m³): Variable
Water Solubility: Negligible	pH (5% disp.): 5.0-7.5
Evaporation Rate (Butyl Acetate = 1)" n/a	Vapor pressure None
Appearance: White powder or granules	Odor: Odorless

IV. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May cause eye or skin irritation. May cause respiratory irritation.

PRECAUTIONS:

Avoid contact with eyes. Avoid prolonged or repeated contact with the skin. Avoid prolonged, repeated or excessive inhalation. Use only with adequate ventilation. Ventilation must be sufficient to limit employee exposure to this product below permissible exposure limits. Wear respiration protection when dust exposure is above permissible exposure limits. Wash thoroughly every day after work. Don not eat, drink, or smoke in work area.

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IV. FIRST AID MEASURES

INHALATION	Remove from area to fresh air. Seek medical attention if you experience any respiratory irritation or difficulty in breathing.
EYES	Rinse eyes with water. Remove any contact lenses, and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops and persists.
SKIN	Wash skin thoroughly with soap and water.
INGESTION	Rinse mouth with water. Sip of water can be given. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	N/A
SPECIAL FIRE FIGHTING PROCEDURES	N/A

VI. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES	Vacuum spilled material and place in close plastic bags for disposal.
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VII. SAFE HANDLING AND STORAGE

HANDLING PRECAUTIONS	When transferring material into flammable solvents, use proper grounding to avoid electrical sparks. Products surface alteration caused by calcining or mixing with additives may alter toxicological properties.
STORAGE PRECAUTIONS	Store in a dry area.

VIII. EXPOSURE CONTROLS, PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL
Amorphous precipitated silica	ACGIH	10 mg/m ³	OSHA 6 mg/m ³
PROTECTIVE EQUIPMENT	Gloves and eye safety goggles.		
VENTILATION	Use local exhaust or general room/dilation ventilation.		
PROTECTIVE GLOVES	Chemical resistant gloves required for prolonged or repeated contact.		
EYE PROTECTION	Wear approved, tight fitting safety glasses where splashing is probable.		
PROTECTIVE CLOTHING	Wear boots, apron or chemical suits to protect from skin contact.		
HYGIENIC WORK PRACTICES	Wash at the end of each work shift and before eating, smoking and using the toilet.		

IX. STABILITY AND REACTIVITY

STABILITY	Stable.
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CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
HAZARDOUS POLYMERIZATION	Will not polymerize.
HAZARDOUS DECOMPOSITION PRODUCTS	Not known.
X. TOXICOLOGICAL INFORMATION	
<p>IRRITATION: Mild skin and eye irritation. ACUTE: Excessive contact with powder can cause drying of mucous membranes of nose, eyes, and throat due to moisture due to absorption of moisture and oils. The material can also cause nasal and respiratory tract irritation and nosebleeds. Eye contact with powder can result in mild irritation.</p>	
XI. ECOLOGICAL INFORMATION	
<p>EC0. > 1000ppm (daphnia magna) (24h acute immobilization test) – slight to very low toxicity. EC0. > 10,000ppm (rainbow trout) (4-day steady study) – slight to very low toxicity. EC0. > 1000ppm (freshwater fish) (96h static acute toxicity study) – slight to very low toxicity.</p>	
XII. DISPOSAL CONSIDERATIONS	
DISPOSAL METHODS	Waste from this product may be disposed of in a sanitary landfill if Federal, state and local laws and regulations permit.
XIII. TRANSPORT INFORMATION	
DOT HAZARD CLASS	Not regulated.
IDENTIFICATION No.	N/A
XIV. REGULATORY INFORMATION	
<p>USA TSCA: Synthetic amorphous silica is listed on the TSCA inventory as its general CAS # 7631-86-9. EUROPE EINECS: Synthetic amorphous silica is listed on the EINECS (231-545-4) as its general CAS # 7631-86-9. CANADA DOMESTIC SUBSTANCES LIST (DSL): This product and/or all its components are listed on the Canadian DSL. CANADA WHMIS: Not applicable</p>	
XV. OTHER INFORMATION	
<p>This is the first version of MSDS based on information available for synthetic amorphous precipitated silica material. Further modification may be added in the future.</p>	
NA or N/A = not available or not applicable	