

SPECTREM 1 BLACK

Version 1.2
 REVISION DATE: 09/01/2006

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SECTION 1 - PRODUCT IDENTIFICATION

Trade name : SPECTREM 1 BLACK
 Product code : 946802 323

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

Product use : Sealant

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

Black. Non-sag gunnable paste. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause moderate irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause moderate irritation to the respiratory system.

Eyes : Direct contact may cause mild irritation. Direct contact may cause temporary redness and discomfort.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

May aggravate persons sensitized to amines. Prolonged and repeated overexposure to amines may cause liver and kidney damage based on animal studies. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Ingestion, Liver, Kidney

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Calcium carbonate	471-34-1	30.0 - 60.0
Silicone polymer	NJ TSRN# 51721300-5110P	30.0 - 60.0
Polydimethylsiloxane, trimethyl endcap	63148-62-9	15.0 - 40.0
Aminosilane, Methyl	15901-40-3	1.0 - 5.0

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tris(cyclohexylamino) silane		
Amino Silane	93777-98-1	1.0 - 5.0
Carbon Black	1333-86-4	<1.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point : Not available.

Method : Not available.

Burning rate : Non-flammable solid

Lower explosion limit : Not available.

Upper explosion limit : Not available.

Autoignition temperature : Not available.

Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form. Smoke, fumes.

Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Keep out of water courses. Scrape up and transfer to appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Change soiled work clothes frequently. Clean hands thoroughly after handling. Store in sealed containers in a cool, dry, ventilated warehouse location.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

- Respiratory protection : Not required under normal conditions of use. Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Use safety glasses if eye contact is likely.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium carbonate	471-34-1	ACGIH TWA:	10 mg/m3	Respirable fraction. Total dust. Total dust. Respirable fraction.
		OSHA PEL:	5 mg/m3	
		OSHA PEL:	15 mg/m3	
		OSHA TWA:	15 mg/m3	
		OSHA TWA:	5 mg/m3	
Carbon Black	1333-86-4	ACGIH TWA:	3.5 mg/m3	Total dust. Respirable fraction.
		OSHA PEL:	3.5 mg/m3	
		OSHA TWA:	15 mg/m3	
		OSHA TWA:	5 mg/m3	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Non-sag gunnable paste
- Color : Black
- Odor : Amine
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Insoluble
- Specific Gravity : 1.35
- % Volatile Weight : 0 %



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SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Isocyanates.Epoxies.Acids.Oxidizing agents.
Stability : Material is stable under normal storage, handling, and use.
Hazardous polymerization : Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Calcium carbonate, CAS-No.: 471-34-1
Acute oral toxicity (LD-50 oral) : 6,450 mg/kg (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Calcium carbonate : 471-34-1
Carbon Black : 1333-86-4

OSHA Status: Considered : Irritant
hazardous based on the
following criteria:

OSHA Flammability : Not Regulated

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Regulatory VOC (less water and exempt solvent) : 1 g/l
 VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
 Carbon Black 1333-86-4

U.S. State Regulations:

MASS RTK Components : Calcium carbonate 471-34-1

Penn RTK Components : Calcium carbonate 471-34-1
 Silicone polymer NJ TSRN# 51721300-5110P
 Polydimethylsiloxane, trimethyl endcap 63148-62-9

NJ RTK Components : Calcium carbonate 471-34-1
 Silicone polymer NJ TSRN# 51721300-5110P
 Polydimethylsiloxane, trimethyl endcap 63148-62-9
 Aminosilane, Methyl tris(cyclohexylamino) silane 15901-40-3
 Amino Silane 93777-98-1
 Carbon Black 1333-86-4

Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:
 1333-86-4 Carbon Black
 108-88-3 Toluene

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	1
Reactivity	0
PPE	

0 = Minimum
 1 = Slight
 2 = Moderate
 3 = Serious
 4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

- ACGIH - American Conference of Governmental Hygienists
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- RTK - Right To Know
- SARA - Superfund Amendments and Reauthorization Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume



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NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

VOC - Volatile Organic Compound

WHMIS - Workplace Hazardous Materials Information System