



HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

SAFETY DATA SHEET
Prepared by Duro Dyne March 13, 2014

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: SRS-C
Product Identifier: Roof Patch Sealant
Item #: 5114
Supplier Details: DURO DYNE CORPORATION
81 Spence Street
Bay Shore, NY 11706

Information
Phone No: 800-899-3876
Emergency Phone No: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATIONS

Primary Routes of Entry: Skin contact, Skin absorption, Eye contact, Inhalation.
Emergency Overview: Black paste product with solvent odor. Warning! Do not breathe vapors. May cause eye, skin, nose, throat and respiratory tract irritation. Heating may release Hydrogen Sulfide Gas. Provide fresh air to extent that chemical odors cannot be detected during use and while drying.

Effects of Overexposure: Eye Contact: May cause eye irritation, characterized by a burning sensation, tearing, inflammation and redness. Signs/symptoms may include tears, pain, swelling, redness and blurred vision. Skin Contact: May cause skin irritation. Harmful if absorbed through skin. Signs/symptoms may include pain, discoloration and swelling. Prolonged or repeated contact can result in dermatitis or burns. Do not attempt to peel solidified material from skin or use solvents to aid removal. Use vegetable oil to aid removal from skin. Rinse exposed are with water while removing contaminated clothing. Inhalation: Vapor harmful. Inhalation may result in irritation to nose, mouth and mucous membranes. Vapors may be irritating to eyes, nose throat and lungs. Inhalation of high vapor concentrations can cause central nervous system depression and narcosis. May contain Sulphur compounds that may form hydrogen sulfide. The “rotten eggs” odor of hydrogen sulfide is not reliable as an indicator of concentration. Signs/symptoms of over exposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness. Dust from dry sanding may cause eye, skin, nose, throat and respiratory tract irritation. Ingestion: Harmful or fatal if swallowed.

Chronic Hazards: Brief/intermittent skin contact with this asphaltic product is not expected to produce any delayed effects. Normal handling is not expected to cause cancer in humans, skin contact and breathing of vapors should be reduced to a minimum.

Medical Conditions

Aggravated by Exposure: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Consists Of	Cas No.	%	TLV	PEL	Units
Petroleum Asphalt	8052-42-4	<40%	0.5	UN	mg/m3
Attapulgite Clay* ** ***	12174-11-7	<10%	10	10	mg/m3
Petroleum Distillate	64742-48-9	<25%	100*	500	ppm
Cellulose	9004-34-6	<5	10	15	mg/m3
Calcium Carbonate** ***	1317-65-3	<30	10	15	mg/m3
Amidoaminc	68479-04-9	<1	NE	NE	
Non-hazardous Ingredients*		<20	NA	NA	

Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). * 8 hour TWA. **Inhalation of particulates unlikely due to product physical state. *** As respirable dust. Calc. VOC <20%/wt., <200g/L. CARB Compliance: No. Prop 65 Ingredients: Yes. (See Sec. 16)

4. FIRST-AID MEASURES

Skin Contact:

Immediately remove from skin by wiping with waterless hand cleaner followed by soap and water. Get medical attention if symptoms persist.

Eye Contact:

Immediately flush with large quantities of water for at least 15 minutes. Get medical attention.

Inhalation:

Remove to fresh air. If breathing difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention immediately. If there are symptoms of hydrogen sulfide exposure (Sec. 3), move to fresh air. If breathing has stopped, apply artificial respiration and call a doctor.

Ingestion:

Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. If possible drink milk afterwards. Harmful or fatal if liquid aspirated into lungs. If swallowed, drink 8-10 ounces of water and get medical attention.

5. FIRE-FIGHTING MEASURES

Flammable:	Yes
Extinguishing Media:	Carbon Dioxide, Dry Chemical, Water Fog
Flashpoint (°F) & Method:	Approx. 160°F (Pensky Martin Closed Cup)
Upper Explosive Limit (% by Volume):	NE
Lower Explosive Limit (% by Volume):	NE
Autoignition Temperature (°F):	NE
Unusual Fire & Explosion Hazards:	None known
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus for firefighting if necessary. Do not use a solid stream of water, as stream will scatter/spread the fire. Use water mist to cool closed containers.

6. ACCIDENTAL RELEASE MEASURE

Procedures:	Wear proper protective equipment (Sec. 8) in case of spills. Absorb with inert material and dispose of in accordance with Federal, State and Local requirements.
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7. HANDLING AND STORAGE

Handling Procedures and Equipment:

Keep out of reach of children and pets. Do not take internally. Do not breathe vapors. Provide fresh air to extent that chemical odors cannot be detected during use and curing. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Keep away from food, drink and animal feedstuffs.

Storage Requirements:

Close container after use. Store away from oxidizers and caustics. Keep containers tightly closed in a dry, cool and well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory:

Engineering Controls: Provide sufficient general/local ventilation to maintain exposure below recommended limits. Ensure adequate ventilation, especially in confined areas. Provide sufficient air exchange/exhaust in work rooms. Use only in well-ventilated areas.

Eyewear:

Goggles or safety glasses with side shields. Note: Contact lenses pose a special hazard: soft lenses may absorb and all lenses concentrate irritants.

Clothing/Gloves:

Neoprene gloves. Safety shower and eyewash station should be in immediate area. If repeated/prolonged contact likely, wear protective clothing including boots, apron, and face shield or splash goggles.

Hygienic Practices: Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of the workday. Eating, drinking and smoking in area should be prohibited.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Paste.
Odor and Appearance: Solvent Odor, Black Paste
Specific Gravity: Approximately 1.4 to 1.8
Vapor Density (Air = 1): Heavier than air
Evaporation Rate: Slower than n-butyl acetate
Boiling Range (°F): NE
pH: Not Applicable
Solubility in Water: NE
Vapor Pressure (MM Hg): NE
% / WT Volatile (TNV): NE

10. STABILITY AND REACTIVITY

Stability: Yes
Incompatibility: No. None known.
Conditions to Avoid: None known.
Hazardous Polymerization/Hazardous Decomposition Products: Hazardous polymerization will not occur under normal conditions. Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

ACGIH: Asphalt-not listed as carcinogenic.
OSHA: Asphalt-not listed as carcinogenic.
IARC: Asphalt-classification not possible with current available data.
NTP: Asphalt-not listed as carcinogenic.
Data with Possible Relevance to Humans: Crystalline Silica known to the State of California to cause cancer. Product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No product information is available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Liquids cannot be disposed of in a landfill. Dispose of material in accordance with Federal, State and Local regulations.

EPA Waste Code if Discarded (40CFR Sec.261): If discarded (40 CFR 261): None

14. TRANSPORT INFORMATION

Special Shipping Information: DOT Proper Shipping Name: Combustible Liquid, n.o.s. Packing Group: III. DOT Hazard Class: Combustible Liquid. DOT UN/NA Number: NA 1993. Note: Shipping information provided for domestic ground transport only. Different categorization may apply if shipped via other modes of transportation or non-domestic destinations.

15. REGULATORY INFORMATION

CERCLA_SARA Hazard Category: SARA 311, 312: Immediate health hazard, Chronic health hazard, Fire hazard.

SARA 313: See Section 16

U.S. State Regs: See Section 16

TSCA: All ingredients on TSCA Inventory List or otherwise exempt.

16. OTHER INFORMATION

Prop 65 Ingredients: (Known to State of California to cause cancer) Asphalt (8052-42-4). Small % of Silica, Crystalline present in Calcium Carbonate Filler.

NJ Right to Know: (Top 5 Ingredients): Petroleum Asphalt (8052-42-4), Attapulgite Clay (12174-11-7), Petroleum Distillate (64742-48-9), Cellulose (9004-34-6), Calcium Carbonate (1317-65-3).

Pennsylvania Right-to-Know: (Non-Haz at >3%): Contents partially unknown.

HMIS Ratings: Health: 2
Flammability: 2
Reactivity: 0
Personal Protection: X

Warning: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

International Emergency Number: 352-323-3500-INFOTRAC

LEGEND:

NA: Not Applicable
NE: Not Established
UN: Unavailable
VOC: Volatile Organic Compound
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
STEL: Short Term Exposure Limits
ACGIH: American Conference of Governmental
Industrial Hygienist
SARA: Superfund Amendments and Reauthorization
Act of 1986
OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System
NTP: National Toxicology Program
CEIL: Ceiling Exposure Limit
CASRN (CAS Number: Chemical Abstracts Service
Registry Number
TSCA: Toxic Substances Control Act
NFPA: National Fire Protection Association

Date SDS Prepared:

March 1, 2012

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