



SAFETY DATA SHEET

Name of Material Gray CRACK-STIX	
1	HEALTH
1	FLAMMABILITY
0	REACTIVITY
B	PROTECTIVE EQUIPMENT

Section I – Product and Company Identification

PRODUCT NAME: CRACK-RITE[®] Gray CRACK-STIX[™]
SIZE: Gray CRACK-STIX[™] Medium: 125 Linear Feet; Small 225 Feet
UPC #: 0 90932 02051 1 **MODEL #:** 02051 Medium
UPC #: 0 90932 02061 0 **MODEL #:** 02061 Small
MANUFACTURER NAME: Dalton Enterprises, Inc.
ADDRESS: 131 Willow Street Cheshire, CT 06410 USA
EMERGENCY PHONE NUMBER: (203) 272-3221
AFTER 5 PM AND ON WEEKENDS: (203) 272-3221
ORIGINATOR: H.F.
TRADE NAMES & SYNONYMS: CRACK-RITE, CRACK-STIX[™]
CHEMICAL FAMILY: Mixture
EFFECTIVE DATE: 06/06/14
DATE SUPERSEDED: 09/18/12

Section II – Hazards Information

Emergency Overview: Signal Word: Warning



HCS Pictogram:

Acute Health Effects: Repeated or prolonged contact may cause irritations. Vapors or direct eye contact may cause irritations. Ingestion may cause irritation. Short term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects. Primary potential hazard is due to burns caused from handling hot product during application. Overexposure to hot vapor may cause eye and respiratory tract irritation, dizziness, headache, nausea, and flu like symptoms.

Chronic Health Effects: Prolonged, excessive or repeated exposure may cause mild skin irritation. Repeated and prolonged overexposure to vapors or mist may cause respiratory tract, nose and throat irritations.

Routes of Exposure/Entry: Eye contact, skin contact, inhalation, ingestions

Target Organs: Eyes, skin, respiratory system

Medical Conditions Aggravated by Exposure: Pre-existing skin problems may be aggravated by prolonged or repeated contact. Persons with sensitive airways (i.e. asthmatics) may react to hot vapors. Contact with hot material may cause severe burns.

Carcinogenic Status: IARC- No; NTP -No; OSHA – No; ACGIH – No

NOTE: Product as supplied contains embedded crystalline silica. Respirable crystalline silica dust is listed by IARC, OSHA and NTP as a carcinogen. This product is not expected to supply respirable crystalline silica as supplied or in use application.

Section III – Composition

INGREDIENT	CAS #	% By WT.
Mineral filler	1317-65-3	30-60%
Rosin	N/A Proprietary	20-40%
Quartz	14808-60-7	10-25%
Butadiene-styrene copolymer	9003-55-8	2-5%
Titanium Dioxide	13463-67-7	2-5%
Resin	64742-16-1	2-5%
Refined Residual hydrocarbon	64742-01-4	1-2.5%

Ingredients total weight % are below 100% only if all others unlisted are not considered hazardous by any federal (OSHA, WHMIS, SARA), any state or province, or local Right-To-Know regulations.

Section IV – First-Aid Measures

EMERGENCY AND FIRST AID PROCEDURES:

NOTE: Cool material as supplied is not expected to cause eye or skin irritation and it is not expected to cause any systemic toxicity by ingestion.

Eye Contact: If hot material is splashed in eye immediately flush eyes with clean water for an extended time of not less than 5 minutes. Seek medical attention.

Skin Contact: If hot material is spilled on skin cool in cold water immediately. DO NOT try to peel solidified product from skin. Vegetable Oil or Baby Oil is recommended for removal from skin.

Inhalation: If affected, move to fresh air. If not breathing give artificial respiration.

Ingestion: No ingestion effects are known. Treat symptomatically. Consult a physician.

Notes: If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the effected individual from the area, and seek medical attention

Section V – Fire-Fighting Measures

NFPA Flammability Class: Class III B Combustible

Flash Point: 420F Minimum (COC)

Explosive Range: N/A

Extinguishing Media: Dry Chemical or CO2

Fire Fighting Procedures: Wear self contained breathing apparatus equipped with a full face piece and operated in a pressure demand mode. Wear approved protective clothing. Personnel without suitable respiratory protection must leave the area to avoid significant exposure to hazardous gases from combustion, burning or decomposition.

Unusual Fire/Explosion Hazards: None known for the product as delivered. Irritating and toxic substances may be emitted upon combustion, burning or decomposition of the dry solids.

NFPA Rating: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section VI – Accidental Release Measures

Contain spill. If spilled in an enclosed area. Ventilate. Cool material to solidify. Wear proper personal protective clothing and equipment. Do not flush liquid in public sewer, water systems or surface waters. Recover as much as possible and absorb remainder with an inert material. Place into labeled closed containers and store in safe locations for proper disposal. Wash spilled areas with soap and water.

Section VII – Handling and Storage

Handling: For Hot Material avoid eye contact, repeated or prolonged skin contact or inhalation of vapors. Wash thoroughly after handling. Use in well ventilated areas.

Storage: Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Unheated material presents no known hazards. Store in areas where sources of ignition have been eliminated from vicinity of stored products.

Section VIII – Exposure Controls / Personal Protection



Personal protective equipment pictograms:

Engineering Controls: Provide effective general, and when necessary, local exhaust ventilation to draw vapors and fumes of molten material away from workers to prevent routine inhalation.

Eye Protection: For operations where eye or face contact may occur wear safety glasses with side shields or goggles.

Skin Protection: Wear protective heat resistant gloves, aprons, long sleeve shirts and hard sole shoes when heating and/or applying hot material.

Respiratory Protection: Melting of material should be limited to outside, open areas to ensure exposure limits are not exceeded. Use NOISH/MSHS approved respirator whenever exposure to fumes or vapors exceed exposure limits.

	Occupation Exposure Limits			
	ACGIH-TWA	ACGIH-STEL	OSHA-TWA	OSHA-STEL
Mineral Filler	10 mg/m ³	NE	NE	15 mg/m ³
Silica Sand (Quartz)	0.025 mg/m ³ *	NE	0.1 mg/m ³ *	NE
Rosin Ester	NE	NE	NE	NE
Titanium Dioxide	10 mg/m ³	NE	15 mg/m ³	NE
Styrene-Butadiene Copolymer	NE	NE	NE	15 mg/m ³ *
Petroleum Resin	NE	NE	NE	NE
Residual Oils Solvent Refined	NE	NE	NE	NE
*As Total Dust				

Section IX – Physical and Chemical Properties

Form: Solid at room temperature
Appearance: Gray paste
Odor: Mild Petroleum Odor when hot
Solubility in Water: Insoluble
PH: NA
Boiling Range: >338C (>640F)
Melting Point: @200F
Evaporation Rate: Slower than N-Butyl Acetate
Vapor Density: Heavier than Air
Partition Coefficient: Not Applicable
% Volatile by Weight: <1%
Specific Gravity: Approx 2.5
VOC: 0 g/L (per ASTM D3960)

Section X – Stability and Reactivity

Stability: This product is stable under normal storage and use conditions.

Hazardous Polymerization: Will not occur

Incompatibility: Strong Oxidizing Agents, Excessive Heat

Hazardous Decomposition Products: Decomposition of the dry solids may generate irritating vapors, CO₂, CO.

Section XI – Toxicological Information

Component Name	Concentration	CAS	Data
Quartz	10 - 25 %	14808-60-7	Acute oral toxicity: LD50 rat Dose: 1,300 mg/kg Acute dermal toxicity: LD50 rat Dose: no data available
Resin	2-5%	64742-16-1	Acute oral toxicity: LD50 rat Dose: > 5,000 mg/kg Acute dermal toxicity: LD50 rabbit Dose: >2,000 mg/kg

Component: Quartz: (CAS-No.:14808-60-7)

NTP: In its Ninth Annual Report on Carcinogens respirable quartz was classified as a known human carcinogen.
IARC: According to Volume 68 of the IARC Monographs on the Evaluation of Risks to humans, concluded that there was "sufficient evidence in humans for the carcinogenicity of quartz in the forms of quartz or cristobalite from occupational sources". IARC's evaluation was that "crystalline silica (quartz) inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (group1) but was noted that carcinogenicity was not detected in all industrial studies."
OSHA: Quartz is not regulated as a carcinogen.

The quartz present is not respirable as this product is supplied.

Component: Resin (CAS-No: 64742-16-1)

NTP: Not listed
IARC: Not listed
OSHA: Resin is not regulated as a carcinogen

Please refer to the individual SDS of the components listed in Section III for additional information.

Section XII – Ecological Information

Ecological Fate:	No data available
Persistence/Degradability	No data available
Bioaccumulation Potential:	No data available
Mobility in Soil:	No data available

Analysis for ecological effects has not been conducted.

Section XIII – Disposal Considerations

Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

Section XIV – Transportation Information

UN Number	N/A
UN Packing Group	N/A
UN Class	N/A
ICAO/IATA Class	N/A
IMDG Class	N/A

Notes: This product is NOT REGULATED for domestic and international transportation when shipped in individual containers of less than 595 gallons.

U.S. DOT RQ.: None

Section XV – Regulatory Information

SARA Title III Section 313

This product contains the following substance(s) subject to the reporting requirements (i.e., at or above de minimis quantities) of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) 40 CFR 372.
None

SARA Title III Section 312 Hazard Category (40 CFR 311/312)

Acute Health	Yes: (When hot)	Release of Pressure: No
Chronic Health	Yes: (When hot)	Reactive: No
Fire	No	

PROP 65 (Carcinogen or Reproductive Toxins list)

Refined Petroleum Resin (CAS-No: 64742-16-1)

Quartz (CAS-No: 14808-60-7)

Clean Air Act (CAA)

When processed this product does not give off a CAA substance (Section 112).

US (Federal) Regulations

TSCA: This product is listed on the U.S. Toxic Substance Control Act inventory of chemicals or is otherwise compliant with TSCA regulations.

Component Name	CAS	State Right to Know		
		MA	NJ	PA
Mineral filler	1317-65-3	yes	yes	yes
Quartz	14808-60-7	yes	yes	yes
Butadiene-styrene copolymer	9003-55-8	no	yes	yes
Titanium Dioxide	13463-67-7	yes	yes	yes
Resin	64742-16-1	no	yes	no
Refined Residual hydrocarbon	64742-01-4	yes	no	no

Section XVI – Other Information

Other Precautions:

Do not take internally.
Keep away from children.
For external use only.
Store in a cool, dry place.
Keep away from sources of ignition.
Do not apply during or before rain to avoid runoff.
Do not apply if pavement is below 55 degrees F.
Do not freeze.

Revision date: 06/06/14

Supersedes: 09/08/12

Prepared by: H. Farr

Disclaimer/Statement of Liability:

THE INFORMATION AND RECOMMENDATIONS PROVIDED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF. HOWEVER, SUCH INFORMATION AND RECOMMENDATIONS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND AND THIS CORPORATION DISCLAIMS ANY AND ALL LIABILITY OR LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME.