

RaynGuard Protective Materials, Inc.

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PRODUCT AND COMPANY INFORMATION

Manufacturer

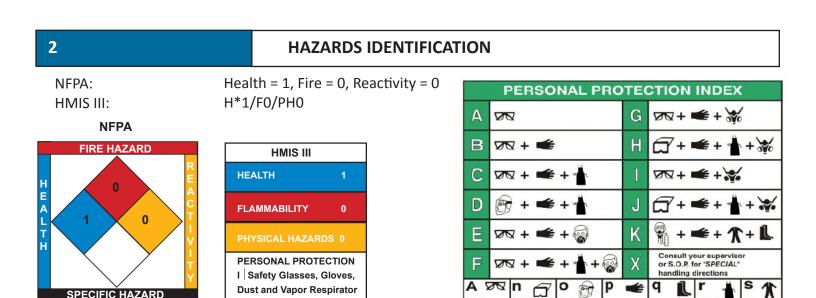
SPECIFIC HAZARD

RaynGuard Protective Materials, Inc. 8280 14th Avenue Sacramento, CA 95826

Inc.

Product Name:	RaynGuard SS-1h
Revision Date:	4/30/2019
Version:	1
CAS Number:	8052-42-4
Chemical Family:	Mixture
Chemical Formula:	Minerals
Synonyms:	SS-1h; Tack Coat; Tack Oil; Emulsified Asphalt.
Product Use:	Road Building and Other Service
Emergency Phone:	1-800-424-9300 (CHEMTREC)

Dust and Vapor Respirator





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GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 2

Health, Serious Eye Damage/Eye Irritation, 2 B

Health, Specific target organ toxicity - Single exposure, 3

Health, Carcinogenicity, 2

Health, Specific target organ toxicity - Repeated exposure, 2

GHS Phrases:

- H315 Causes skin irritation
- H320 Causes eye irritation
- H335 May cause respiratory irritation
- H351 Suspected of causing cancer
- H373 May cause damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

- P260 Do not breathe dust.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 IF ON SKIN: Wash with soap and water.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: DO NOT RUB. Rinse continuously with water for several minutes.
 - Remove contact lenses if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P333+313 If skin irritation or a rash occurs: Get medical advice/attention.
- P337+313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P501 Dispose of contents/container to an approved waste disposal plant.



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COMPOSITION/INFORMATION ON INGREDIENTS

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ngredients: Cas #	I Percentage I	Chemical Name
8052-42-4	50-70	Asphalt
7732-18-5	25-45	Water
Proprietary Ingredients	< 5	N/A

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FIRST AID MEASURES

Inhalation: Blow nose to remove substance from nasal passages. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

- Skin Contact: Wipe/brush off as much chemical as possible from skin BEFORE flushing skin with water. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening and/or a rash develops and/or persists, obtain medical attention.
- **Eye Contact:** Do NOT rub eyes. Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists, obtain medical attention.
- **Ingestion:** No need for first aid is anticipated. If symptoms develop, obtain medical attention. Do NOT induce vomiting unless instructed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed:

Frequent or prolonged contact with material may cause irritation. Additional effects may include skin sensitization.

Indication of any immediate medical attention and special treatment needed:

No data available.

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FIRE FIGHTING MEASURES

Flammability:	Not flammable
Flash Point:	DNA
Flash Point Method:	DNA
Burning Rate:	No data available
Autoignition Temp:	No data available
LEL:	DNA
UEL:	DNA

Extinguishing Media:

Water Spray Carbon Dioxide Alcohol-Resistant Foam



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Special Hazards Arising From the Substance or Mixture:

This product is not a combustible media per the OSHA Communication Standard, but will ignite and burn at temperatures exceeding the flash point. For additional fire related information, see NFPA 30 or the Emergency Response Guidebook 128.

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.

Small quantities of Hydrogen Sulfide may be released upon heating. Use caution.

Exercise care when using water to extinguish fires, as hot asphalt products may produce steam and violent foaming. See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

See Section 13 for disposal information.

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ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, including vapor respirator when handling aqueous product and dust respirator when handling dried product.

Avoid dust formation when handling dried product.

Avoid breathing dust when handling dried product.

Keep from contacting skin or eyes.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions:

Prevent further release (leakage/spillage) if safe to do so. Do not allow product to enter drains. Do not allow to drain to environment.

Methods and materials for containments and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

If cleaning up dried product, sweep up, shovel or collect spilage with an electrically protected vacuum cleaner. Pick up and arrange disposal or dried product without creating dust.

Place contaminated material into suitable, closed containers for disposal.

Dispose of contaminated material according to Section 13.

After spillage has been collected, area may be flushed with water or wet-brushed.

Ensure adequate ventilation.

Reference to other sections:

Comply with federal, state and local regulations on reporting spills. See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for information on proper disposal.



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7	HANDLING AND STORAG	 F			
					
Handling Precautions:	Avoid breathing vapors or mist. Avoid formation of dust when handling dried	product			
	Avoid breathing dust when handling dried pr	•			
	Avoid contact with eyes, skin, or clothing.				
	Keep containers closed when not in use.				
	Do not expose containers to open flame or expose containers to open flame or expose not puncture or drop containers.	cessive heat.			
	Handle with care and avoid spillage on the flo	oor.			
	Keep material out of reach of children.				
	Keep material away from incompatible mater	rials.			
	Wash thoroughly after handling. Ensure adequate ventilation.				
Storage Requirements:	Keep away from heat, sparks and flames.				
	Store in a dry area.				
	Store away from strong acids, strong bases, s reducing agents and Hydrogen Fluoride.	trong oxidizing ag	ents, str	rong	
8	EXPOSURE CONTROLS/PERS	ONAL PROTE	CTIO	N	
Engineering Controls:	All ventilation should be designed in accordar	ice with OSHA sta	ndard		
	(29 CFR 1910.94). Use local exhaust at filling z			and dust	
	formation is probable. Use mechanical (gener	•	-		
	Use appropriate ventilation as required to kee TLV & PEL limits.	p Exposure Limits	in Air b	elow	
Personal Protective	Eye/Face Protection:		,		
Equipment:	When using material use safety glasses, glove tor according to HMIS PP, I. All safety equipment		•		
	under appropriate government standards suc				u
	Skin Protection: Handle with gloves made from water-imperm	apple materials P	Parrior c	roome	
	should not be used in place of gloves. Gloves				se
	proper glove removal technique (without touc		-		
	skin contact. Dispose of contaminated gloves	according to appli	cable lav	ws and	
	laboratory practices.				



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Body Protection: Personal

Chemically resistant gloves and safety glasses are recommended. Type of protective equipment Protective **Equipment:** should be selected based on concentration amount and conditions of use of this material.

Respiratory Protection:

Use of a combined dust/vapor respirator is highly recommended. A full-face dust/vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. All respiratory equipment must either be NIOSH/MSHA-approved (under 30 CFR 11) or NIOSH-approved (under 42 CFR 84).

Control of Environmental Exposure:

Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

8052-42-4 Asphalt

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- Short term value C 5* mg/m3 REL
- *15-min; See Pocket Guide App. A
- TLV Long term vlaue: 0.5* mg/m3 *inh. fraction; as benzen-soluble aerosol; BEIp

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

PHYSICAL AND CHEMICAL PROPERTIES



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10	STABILITY AND REACTIVITY
Stability: Conditions to Avoid: Materials to Avoid:	Product is stable under normal conditions. Incompatibilities, flames, ignition sources. Strong acids, strong bases, strong oxidizing agents, strong reducing agents and Hydrogen Fluoride.
Hazardous Decomposition:	Oxides of Aluminum, Carbon, Calcium, Magnesium, Nitrogen (NOx), Sodium and Sulfur. Trace quantities of Ammonia, Hydrogen Sulfide, Formaldehyde, and 2-aminoethanol. Temperatures above 870 °C may cause Tridymite to form. Temperatures above 1470 °C may cause Cristobalite to form.
Hazardous Polymerization:	

11	TOXICOLOGICAL INFORMATION

Component(s): Asphalt; CAS No(s): 8052-42-4;

Acute Toxicity: Skin Corrosion/Irritation: Causes skin irritation. Serious Eye Damage/Eye Irritation: Causes eye irritation. Respiratory or Skin Sensation: No data available Germ Cell Mutagenicity: No data available

Carcinogenicity: Asphalt 8052-42-4. Listed by IARC as potentially carcinogenic to humans. Limited evidence of carcinogenicity in human studies.

- IARC: 28 Group 28: Possibly carcinogenic to humans (Asphalt).
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No known to be a human carcinogen.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.



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Reproductive Toxicity: No data available

Specific Target Organ Toxicity · Single Exposure: No data available

Specific Target Organ Toxicity · Repeated Exposure: Inhalation - May cause damage to organs through prolonged or repeated inhalation exposure when handling dried material.

Aspiration Hazard: No data available

Additional Information: Component: Asphalt; RTECS: CI9900000 Component: Silica, crystalline quartz; RTECS: VV7330000 Component: Carbon black; RTECS: FF5800000

ECOLOGICAL INFORMATION

Component(s): Asphalt; CAS No(s): 8052-42-4;

Toxicity:

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Toxicity to fish: No further information is available.

Toxicity to daphnia and other aquatic invertebrates: No further information is available.

Toxicity to algae: No further information is available.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Results of PBT and vPvB Assessment: Not required/conducted

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. May be harmful to aquatic life.



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DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

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TRANSPORT INFORMATION

DOT (US)

Non-regulated material, liquid

IMDG

Non-regulated material, liquid

IATA

Non-regulated material, liquid

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Asphalt (8052424 10-20%) MASS, NJHS, NRC, PA, PROP65, SARA311/312, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

- MASS = MA Massachusetts Hazardous Substances List
- NJHS = New Jersey Right to Know Hazardous Substances
- NRC = Nationally Recognized Carcinogens
- OSHAWAC = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- PROP65 = CA Prop 65

SARA311/312 = SARA 311/312 Toxic Chemicals

- TSCA = Toxic Substances Control Act
- TXAIR = TX Air Contaminants with Health Effects Screening Level



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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that RaynGuard Protective Materials, Inc., believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of RaynGuard Protective Materials, Inc.'s control, RaynGuard Protective Materials, Inc., makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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