

USP 2870

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: USP 2870
Synonyms: Modified Asphalts
Common Name: Modified Roofing Asphalt
SDS Number: USP-2000-870
Revision Date: 4/6/2018
Version: 1
CAS Number: New Chemical Entity
Chemical Family: Petroleum Hydrocarbon
Chemical Formula: *** PROPRIETARY ***
Product Description: Dark, sticky highly elastic rubbery substance when cool. Dark viscous product when at elevated temperatures
Product Use: High performance, impact resistant, shingle mat coating additive

Supplier Details: U.S. Polyco, Inc
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Ennis, TX 75119

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HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Acute toxicity, 5 Oral
Health, Acute toxicity, 5 Dermal
Health, Acute toxicity, 5 Inhalation
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H303 - May be harmful if swallowed
H313 - May be harmful in contact with skin
H333 - May be harmful if inhaled
H335 - May cause respiratory irritation

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
CGA-PG28 - Avoid spills. Do not walk on or roll equipment over spills.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Inhalation; Skin; Ingestion;

Target Organs: Respiratory system; Eyes; Skin;

Inhalation: Can cause irritation and inflammation of the respiratory tract. Prolonged breathing of fumes from the elevated temperature product may cause headaches, dizziness, irritation, nausea and vomiting. This material contains sulfur compounds, which may form trace amounts of H₂S

Skin Contact: May cause burning if material is at elevated temperatures. May cause irritation to the skin and prolonged exposure can lead to chemical dermatitis (inflammation)

Eye Contact: Fumes May cause irritation. May cause permanent eye damage, if hot material comes in contact with the eye

Ingestion: Ingestion is not an applicable route of entry for intended use.

Human Health Hazards: Asphalt is classified as an IARC 2B rated potential carcinogen

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
*****		Proprietary
*****		Proprietary
*****		Proprietary

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water until hot asphalt is cooled, seek medical attention immediately if needed. Remove contaminated clothing immediately. Wash with soap and water.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention if exposed to molten asphalt

Ingestion: Not a typical route of entry . if ingested Bring to the attention of a physician.

5 FIRE FIGHTING MEASURES

Flammability: Product will burn if exposed to flames

Flash Point: >500F

Flash Point Method: COC Cleveland Open Cup

Autoignition Temperature: >700F

Lower Explosive Limit: Not established

Upper Explosive Limit: Not established

EXTINGUISHING MEDIA

ACCORDING TO NFPA GUIDE: Water spray, dry chemical, foam, or carbon dioxide. (Water or spray may cause frothing of product.)

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water directly on burning product. Use water stream and /or fog to cool heated containers/vessels and surrounding areas. If a leak or spill has not ignited, use water or spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION BYPRODUCTS: Hydrogen Sulfide, carbon monoxide, and other toxic gases may evolve during combustion.

6 ACCIDENTAL RELEASE MEASURES

Evacuate area.

Keep away from drains and ground water.

Pick up excess with inert absorbant material and place into separate waste container.

Waste Disposal Method

Dispose of in accordance with local, state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Wear appropriate Personal Protective Equipment
 Avoid breathing vapors or mist.
 Avoid contact with eyes, skin, or clothing.
 Consider normal working hygiene.

Storage Requirements: Vessels and containers designed shall be designed to store molten asphalt as defined by local and state regulations.
Store away from open flame
Do not store at temperatures greater than 450F

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Use local exhaust ventilation to control airborne vapors
Use mechanical (general) ventilation for storage areas.

Personal Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron
Boots; Exhaust ventilation; Organic vapor respirator with dust, mist, and fume filters; if exposed for prolonged periods of time

Exposure Limits:

USA OSHA (TWA₅)/PEL): 5Mg/ m³

ACGIH (TWA/TLV): 5Mg/ m³

DFG (MAK):

Respiratory Protection: Use a NIOSH/MSHA approved respirator if exposure reaches or exceeds occupational exposure limits

Ventilation: Maintain adequate general dilution ventilation to remove vapor/fumes from storage vessels/tanks. Refer to local and state regulations.

Protective Gloves: Leather gloves with gauntlets

Eye Protection: ANSI Z87

Other Protective Equipment:

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: General industrial hygiene practice.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark viscous liquid in molten state, Dark elastic material in solid state

Physical State: Molten Liquid or Semi solid when cooled **Odor:** Asphalt/petroleum distillate hydrocarbon odor

Specific Gravity or Density: .98-1.15 **Softening Point:** 240-250F

Viscosity: 2500-3500Cp @ 374F LV **Heat Value:** Not Established

Boiling Point: Not established

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STABILITY AND REACTIVITY

Reactivity: Reactive with water in molten state

Chemical Stability: Product is stable under normal conditions.

Conditions to Avoid Identification: Avoid water while in molten state

Materials to Avoid Identification: Water when molten

Hazardous Decomposition: Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

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TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: Fumes could irritate eyes
Skin Effects: Possible skin irritation
Accute Inhalation Effects: Inhalation of fumes could cause irritation
Chronic Effects: Not Known.
Carcinogenicity: IARC 2B Rated as a possible carcinogen.
Mutagenicity: Not Known.
Teratogenicity: Not Known.

12 ECOLOGICAL INFORMATION

Poetentially harmful to aquatic life

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

UN3257, Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.), 9, PGIII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Asphalt (typical) (8052-42-4) [n/a%] MASS, NRC, PA, TSCA, TXAIR

1-Propene, homopolymer (9003-07-0) [n/a%] TSCA

Ethene, homopolymer (9002-88-4) [n/a%] TSCA

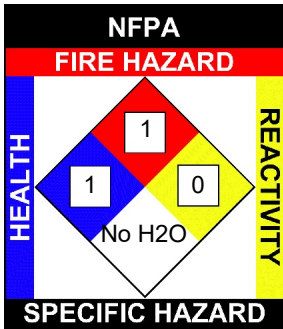
Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List
NRC = Nationally Recognized Carcinogens
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

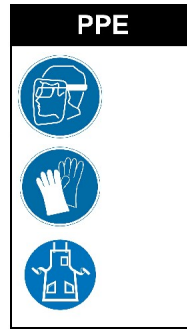
NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = No H₂O

HMIS III: Health = 1(Chronic), Fire = 1, Physical Hazard = 1

HMIS PPE: D - Face Shield and Eye Protection, Gloves, Apron



HMIS	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D



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