

USP 7900

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: USP 7900
Synonyms: Asphalt Paving Binders
Common Name: Asphalt Paving Binder
SDS Number: USP-7000-900
Revision Date: 3/14/2011
Version: 3.2
CAS Number: New Chemical Entity
Chemical Family: Petroleum Hydrocarbon
Chemical Formula: *** PROPRIETARY ***
Internal Identification: USP 7900
Product Description: Specially formulated binder agent to permanently bond to aggregates. Designed specifically for patching , repairing potholes, and large cracks.
Product Use: High performance binder to patch, repair potholes, and large cracks. Specially formulated for uniform blending and workability for cold patch applications.
Supplier Details: U.S. Polyco, Inc
3901 South I 45
Ennis, TX 75119
Contact: Jared Miguez
Phone: 972-875-9300 x1000
Fax: 972-875-4414
Email: jmiguez@uspolyco.com
Internet: www.uspolyco.com
Emergency: After Hours Emergency Contact (Chemtrec 1-800-424-9300)

Classification of Substance**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 2 B
 Environmental, Hazards to the aquatic environment - Acute, 2
 Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

**GHS Hazard Statements:**

H315 - Causes skin irritation
 H320 - Causes eye irritation
 H401 - Toxic to aquatic life
 H335 - May cause respiratory irritation

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P262 - Do not get in eyes, on skin, or on clothing.
 P264 - Wash ... thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P302 + P334 - IF Molten Product gets ON SKIN: Immerse in cool water [or wrap in wet bandages]. Seek medical attention for burns
 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;
Target Organs: Upper respiratory tract;
Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material.
Skin Contact: May cause burning if material is at elevated temperatures. May cause irritation.
Eye Contact: May cause irritation if contact with product or fumes.
Ingestion: Ingestion is not an applicable route of entry for intended use.

IARC Bitumen/ Asphalt is a class 2b rated carcinogen

Chemical Ingredients		
CAS#	%	Chemical Name
*****	>75%	Proprietary

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Promptly flush skin with water until all chemical is removed.
 Get medical attention if needed. 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 medical attention if symptoms persist
Ingestion: Not a typical route of entry

Flammability:	Product will burn if exposed to flames
Flash Point:	>400F
Flash Point Method:	COC Cleveland Open Cup
Burning Rate:	Not established
Autoignition Temperature:	>600F
Lower Explosive Limit:	Not established
Upper Explosive Limit:	Not established

Dry powder, foam, carbon dioxide. 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: Carbon monoxide, and other toxic gases may evolve during combustion.

Keep away from drains and ground water.

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

Spray surrounding area with water to minimize spill exposure

Handling Precautions:	Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Consider normal working hygiene. Wash thoroughly after handling.
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 flash point.

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

Personal Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron
Respirator recommended in poorly ventilated areas

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.

Appearance:	Dark viscous liquid in molten state, Dark material in solid state		
Physical State:	Molten Liquid or Semi solid when cooled	Odor:	Asphalt/petroleum distillate hydrocarbon odor
Particle Size:	Not established	Molecular Formula:	NA
Specific Gravity or Density:	SG= .900-.9750 Density= 7.989-8.4032	Solubility:	99.8%
Viscosity:	ASTM D4402 #27 Spindle/ ASHTO T316 .200-.400cp @ 275F	Softening Point:	NE
Saturated Vapor Concentration:	5mg/m3 for oil mist over an 8 hour	Percent Volatile:	5mg/m3 for oil mist over an 8 hour
Boiling Point:	Not established	Heat Value:	Not Established
Flammability:	Material will burn if exposed to fire	Freezing or Melting Point:	Freezing= Sub Zero Melting Point = 185-195F
Partition Coefficient:	Not established	Flash Point:	>400F
Vapor Pressure:	Not established	Vapor Density:	Not established
Potentia Hydrogenii:	Not established	Volatile organic compound:	Not established
Evaporation Rate:	Not established	Autoignition Temperature:	>600F
		Upper Flammability Limit and Lower Flammability Limit:	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:	Avoid water while in molten state
Identification:	Prolonged product exposure to temperatures in excess of 400F
Materials to Avoid:	Strong Oxidizing Agents. Cutbacks and solvents
Hazardous Decomposition:	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects:	Fumes could irritate eyes
Skin Effects:	Possible skin irritation
Acute 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.

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ECOLOGICAL INFORMATION

Potentially harmful to aquatic life

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DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

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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

See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packing. For more information concerning spills during transport, consult the latest DOT Emergency Response Guidebook for hazardous materials incidents, DOT P 5800 3. 2B -IARC Classification

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Asphalt (8052-42-4) [>75%] MASS, NRC, PA, TSCA, TXAIR

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: H - Splash Goggles, Gloves, Apron, Vapor Respirator



HMIS	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H



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