

## USP 2500

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### PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b>	USP 2500
<b>Synonyms:</b>	Modified Asphalts
<b>Common Name:</b>	Modified Roofing Asphalt
<b>SDS Number:</b>	USP-2000-5
<b>Revision Date:</b>	9/13/2016
<b>Version:</b>	3
<b>CAS Number:</b>	New Chemical Entity
<b>Chemical Family:</b>	Petroleum Hydrocarbon
<b>Chemical Formula:</b>	*** PROPRIETARY ***
<b>Product Description:</b>	Dark, sticky highly elastic rubbery substance when cool. Dark viscous product when at elevated temperatures
<b>Product Use:</b>	High performance Asphalt additive
<b>Supplier Details:</b>	U.S. Polyco, Inc 3901 South Interstatre 45 Ennis, TX 75119
<b>Contact:</b>	Jared Miguez
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<b>Fax:</b>	972-875-4414
<b>Email:</b>	jmiguez@uspolyco.com
<b>Internet:</b>	www.uspolyco.com
<b>Emergency:</b>	After Hours Emergency Contact (Chemtrec 1-800-424-9300)

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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

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

##### GHS Hazard Pictograms:

No GHS pictograms indicated for this product

##### GHS Hazard Statements:

H303 - May be harmful if swallowed  
H313 - May be harmful in contact with skin  
H333 - May be harmful if inhaled

##### GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.  
P211 - Do not spray on an open flame or other ignition source.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash ... thoroughly after handling.  
P281 - Use personal protective equipment as required.  
CGA-PG28 - Avoid spills. Do not walk on or roll equipment over spills.

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

<b>Route of Entry:</b>	Eyes; Inhalation; Skin;
<b>Target Organs:</b>	Skin; Respiratory system;
<b>Inhalation:</b>	Minimal respiratory tract irritation may occur with exposure to elevated temperature fumes
<b>Skin Contact:</b>	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.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
*****		Trade Secret
*****		Trade Secret

N.E= None Established

Hazard class and risks: This column is completed for ingredients which are classified as hazardous under EU Directives (67/548/EEC, as amended) and are present in sufficient concentration to make the overall substance hazardous. in all situations the column will be completed as "Not Applicable"

### 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 all chemical is removed.  
Remove contaminated clothing and wash before reuse.  
**Eye Contact:** Flush with large amounts of water. Get immediate medical attention.  
**Ingestion:** Not a typical route of entry Not a direct hazard.

### 5 FIRE FIGHTING MEASURES

**Flammability:** Product will burn if exposed to flames  
**Flash Point:** >500F  
**Flash Point Method:** COC Cleveland Open Cup  
**Burning Rate:** Not established  
**Autoignition Temperature:** >700F  
**Lower Explosive Limit:** Not established  
**Upper Explosive Limit:** Not established

Dry powder, 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: Hydrogen Sulfide, carbon monoxide, and other toxic gases may evolve during combustion.

### 6 ACCIDENTAL RELEASE MEASURES

Avoid contact with eyes.

Do not discharge into drains. Keep away from drains and ground water.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Consider normal working hygiene. Do not expose containers to open flame, excessive heat, or direct sunlight.  
Keep away from sources of ignition. Wash thoroughly after handling.  
**Storage Requirements:** Suitable packing materials. 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 500F

**Engineering Controls:** Use mechanical (general) ventilation for storage areas.  
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equipment:** HMIS PP, C | Safety Glasses, Gloves, Apron

**Exposure Limits:**

**USA OSHA (TWA<sub>5</sub>)/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.

<b>Appearance:</b>	Dark viscous liquid in molten state, Dark elastic material in solid state
<b>Physical State:</b>	Molten Liquid or Semi solid when cooled
<b>Odor:</b>	Asphalt/petroleum distillate hydrocarbon odor
<b>Odor Threshold:</b>	NA
<b>Molecular Formula:</b>	NA
<b>Particle Size:</b>	Not established
<b>Solubility:</b>	Soluble in toluene
<b>Specific Gravity or Density:</b>	.98-1.15
<b>Softening Point:</b>	215-240F
<b>Viscosity:</b>	1050-1850cp @350F
<b>Percent Volatile:</b>	5mg/m3 for oil mist over an 8 hour
<b>Saturated Vapor Concentration:</b>	5mg/m3 for oil mist over an 8 hour
<b>Heat Value:</b>	NA
<b>Boiling Point:</b>	NA
<b>Freezing or Melting Point:</b>	None established
<b>Flammability:</b>	Material will burn if exposed to fire
<b>Flash Point:</b>	>390F
<b>Partition Coefficient:</b>	Not established
<b>Vapor Pressure:</b>	N.E.
<b>Vapor Density:</b>	N.E.
<b>Potentia Hydrogenii:</b>	Not established
<b>Volatile organic compound:</b>	Not established
<b>Evaporation Rate:</b>	Not established
<b>Bulk Density:</b>	7.7
<b>Molecular weight:</b>	Not established

**Autoignition Temperature:** Not established  
**Decompression Temperature:** Not established  
**Upper Flammability Limit and Lower Flammability Limit:** Not established

**Appearance:**

Form: Solid at NE

Color: Dark brown to black color

Smell: Sweet petrochemical smell

**Information related to safety:**

Melting point: to 220-240F

Boiling Point: Not established

Flash Point: > 390 F

**10 STABILITY AND REACTIVITY**

**Reactivity:** N/A  
**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:** Not known.  
**Hazardous Polymerization:** Will not occur.

**11 TOXICOLOGICAL INFORMATION**

**Toxicity Data:**

**Eye Effects:** Fumes could irritate eyes  
**Skin Effects:** Not Known.  
**Accute Inhalation Effects:** Inhalation of fimes could cause irritation  
**Chronic Effects:** Not Known.  
**Carcinogenicity:** Not Known.  
**Mutagenicity:** Not Known.  
**Teratogenicity:** Not Known.

**Accute Oral Effects:**

May cause stomach irritation when orally administered to laboratory animals at doses of 800 mg/kg. Care should be taken not to ingest in large quantities.

**12 ECOLOGICAL INFORMATION**

Not established

**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations. Suitable waste-disposal site approved by local authorities.

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

Component (CAS#) [%] - CODES

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

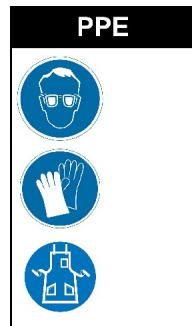
Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8) [n/a%] TSCA

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

**HMIS III:** Health = 1(Chronic), Fire = 1, Physical Hazard = 0  
**HMIS PPE:** C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	<input checked="" type="checkbox"/> 1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C



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This information is given in good faith and based on our current knowledge of the product.