

## USP 6400

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### PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b>	USP 6400
<b>Synonyms:</b>	Modified Bitumen
<b>Common Name:</b>	NEW CHEMICAL
<b>SDS Number:</b>	USP-6000-400
<b>Revision Date:</b>	7/18/2017
<b>Version:</b>	2
<b>CAS Number:</b>	New Chemical Entity
<b>Chemical Family:</b>	Petroleum Hydrocarbon
<b>Chemical Formula:</b>	*** PROPRIETARY ***
<b>Internal Identification:</b>	USP 6400 IR
<b>Product Description:</b>	Dark viscous liquid in molten state, Dark elastic material in solid state. Used for coating shingle mats and providing a very robust impact resistant shingle base
<b>Product Use:</b>	High performance, impact resistant, shingle mat coating.
<b>Instructions:</b>	Wear appropriate PPE when handling molten materials.
<b>Supplier Details:</b>	U.S. Polyco, Inc 3901 South Interstatre 45 Ennis, TX 75119
<b>Contact:</b>	Jared Miguez
<b>Phone:</b>	972-875-9300 x1000
<b>Fax:</b>	972-875-4414
<b>Email:</b>	<a href="mailto:jmiguez@uspolyco.com">jmiguez@uspolyco.com</a>
<b>Internet:</b>	<a href="http://www.uspolyco.com">www.uspolyco.com</a>
<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
- Environmental, Hazards to the aquatic environment - Acute, 3
- Health, Skin corrosion/irritation, 2

#### 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
- H402 - Harmful to aquatic life
- H315 - Causes skin irritation

##### GHS Precautionary Statements:

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 - Wash ... thoroughly after handling.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302 + P334 - IF Hot Product comes in contact with the skin: Immerse in cool water, and keep area cool.
- P337 + P313 - If exposed to the eyes, and eye irritation persists: Get medical advice/attention.
- P501 - Dispose of contents/container according to state and federal regulations

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

<b>Route of Entry:</b>	Eyes; Ingestion; Inhalation; Skin;
<b>Target Organs:</b>	Skin; Respiratory system;
<b>Inhalation:</b>	Minimal respiratory tract irritation may occur with exposure to a large amount of material.
<b>Skin Contact:</b>	May cause burning if material is at elevated temperatures. May cause irritation.
<b>Eye Contact:</b>	May cause irritation. May cause permanent eye damage, if hot material comes in contact with the eye
<b>Ingestion:</b>	Ingestion is not an applicable route of entry for intended use.

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

WARNING: Dark rubbery substance at ambient temperature with a mild aromatic Hydrocarbon odor.

Normally transported at high temperatures in molten form.

May emit vapors when heated in excess of ~ 300F.

Molten asphalt can cause thermal burns to eyes and skin.

Can burn in a fire. Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones during combustion.

**3****COMPOSITION/INFORMATION ON INGREDIENTS**

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

N.E. = None Established

Hazard class and risk: This column is completed for ingredients which are classified as hazardous under EU Directive( 67/548/EEC, as amended)

and are present in sufficient concentration to make the over all substance hazardous. In all situations the column will be completed as "Not Applicable"

**4****FIRST AID MEASURES**

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

**5****FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	>500F
<b>Flash Point Method:</b>	COC Cleveland Open Cup
<b>Burning Rate:</b>	Not established
<b>Autoignition Temperature:</b>	>700F
<b>Lower Explosive Limit:</b>	Not established
<b>Upper Explosive Limit:</b>	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: Hyrdogen Sulfide, carbon monoxide, and other toxic gases may evolve during combustion.

**6****ACCIDENTAL RELEASE MEASURES**

Do not discharge into drains.**Waste Disposal Method**

Empty aerosol cans should not be punctured or incinerated; bury in land fill. Liquid should be incinerated or buried in land fill. Dispose of in accordance with local, state and federal regulations.

Wear disposable coveralls and discard them after use.

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### HANDLING AND STORAGE

<b>Handling Precautions:</b>	Handle with care and avoid spillage on the floor (slippage). Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.
<b>Storage Requirements:</b>	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

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Use local exhaust at filling zones and where leakage is probable. Use mechanical ventilation for storage areas that are to be entered, following emptying.
<b>Personal Protective Equipment:</b>	HMIS PP, D   Face Shield and Eye Protection, Gloves, Apron
<b>Exposure Limits:</b>	
<b>USA OSHA (TWA<sub>5</sub>)/PEL):</b>	5Mg/ m3
<b>ACGIH (TWA/TLV):</b>	5Mg/ m3
<b>DFG (MAK):</b>	
<b>Respiratory Protection:</b>	Use a NIOSH/MSHA approved respirator if exposure reaches or exceeds occupational exposure limits
<b>Ventilation:</b>	Maintain adequate general dilution ventilation to remove vapor/fumes from storage vessels/tanks. Refer to local and state regulations.
<b>Protective Gloves:</b>	Leather gloves with gauntlets
<b>Eye Protection:</b>	ANSI Z87
<b>Other Protective Equipment:</b>	

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

<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>Particle Size:</b>	N/A	<b>Molecular Formula:</b>	N/A
<b>Specific Gravity or Density:</b>	.98-1.15	<b>Solubility:</b>	Soluble in Toluene
<b>Viscosity:</b>	150-400@400F	<b>Softening Point:</b>	215-240F
<b>Boiling Point:</b>	Not established	<b>Percent Volatile:</b>	5mg/m3 for oil mist over an 8 hour
<b>Flammability:</b>	Material will burn if exposed to fire	<b>Heat Value:</b>	Not established
<b>Partition Coefficient:</b>	Not established	<b>Freezing or Melting Point:</b>	Freezing= Sub Zero Melting= 215-240F
<b>Vapor Pressure:</b>	Not established	<b>Flash Point:</b>	>500F
<b>Potentia Hydrogenii:</b>	Not established	<b>Octanol:</b>	Not established
<b>Evaporation Rate:</b>	Not established	<b>Vapor Density:</b>	Not established
<b>Molecular weight:</b>	Not established	<b>Volatile organic compound:</b>	Not established
<b>Decompression</b>	Not established	<b>Bulk Density:</b>	Not established

Temperature:

Autoignition Temperature: >800F  
Upper Flammability Limit and Lower Flammability Limit: Not established

**10 STABILITY AND REACTIVITY**

Reactivity: N/A  
Chemical Stability: Product is stable under normal conditions.  
Conditions to Avoid: Avoid water while in molten state  
Identification: Strong Oxidizing Agents.  
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**

Elimination (persistence and degradability):

**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.Recommendation: consultation with the disposal agency and the relevant authorities.

**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  
See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaing. 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

**15 REGULATORY INFORMATION**

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

Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated (66070-58-4) [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

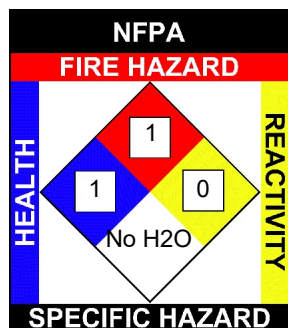
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## OTHER INFORMATION

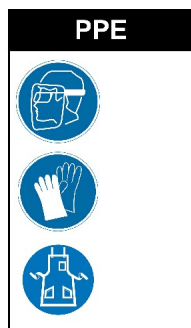
**NFPA:** Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = No H<sub>2</sub>O

**HMIS III:** Health = 1, 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



### Disclaimer:

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