

USP 6400

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	USP 6400
Synonyms:	Modified Bitumen
Common Name:	NEW CHEMICAL
SDS Number:	USP-6000-400
Revision Date:	7/18/2017
Version:	2
CAS Number:	New Chemical Entity
Chemical Family:	Petroleum Hydrocarbon
Chemical Formula:	*** PROPRIETARY ***
Internal Identification:	USP 6400 IR
Product Description:	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
Product Use:	High performance, impact resistant, shingle mat coating.
Instructions:	Wear appropriate PPE when handling molten materials.
Supplier Details:	U.S. Polyco, Inc 3901 South Interstatre 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)

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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

Route of Entry:	Eyes; Ingestion; Inhalation; Skin;
Target Organs:	Skin; Respiratory system;
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. 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.

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**

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.
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 direct hazard or typical route of entry

5**FIRE FIGHTING MEASURES**

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

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

Handling Precautions:	Handle with care and avoid spillage on the floor (slippage). Avoid contact with eyes, skin, or clothing. 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 500F

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use local exhaust at filling zones and where leakage is probable. Use mechanical ventilation for storage areas that are to be entered, following emptying.
Personal Protective Equipment:	HMIS PP, D Face Shield and Eye Protection, Gloves, Apron
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
Particle Size:	N/A	Molecular Formula:	N/A
Specific Gravity or Density:	.98-1.15	Solubility:	Soluble in Toluene
Viscosity:	150-400@400F	Softening Point:	215-240F
Boiling Point:	Not established	Percent Volatile:	5mg/m3 for oil mist over an 8 hour
Flammability:	Material will burn if exposed to fire	Heat Value:	Not established
Partition Coefficient:	Not established	Freezing or Melting Point:	Freezing= Sub Zero Melting= 215-240F
Vapor Pressure:	Not established	Flash Point:	>500F
Potentia Hydrogenii:	Not established	Octanol:	Not established
Evaporation Rate:	Not established	Vapor Density:	Not established
Molecular weight:	Not established	Volatile organic compound:	Not established
Decompression	Not established	Bulk Density:	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

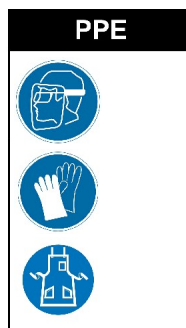
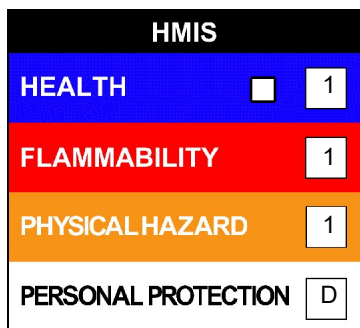
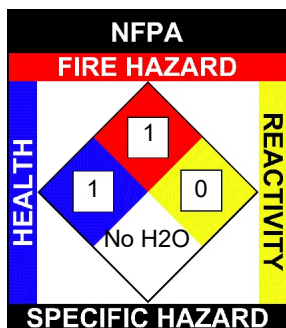
Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated (66070-58-4) [n/a%] TSCA

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

16 OTHER INFORMATION

NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = No H2O
HMIS III: Health = 1, Fire = 1, Physical Hazard = 1
HMIS PPE: D - Face Shield and Eye Protection, Gloves, Apron



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