

**USP 4300**

**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** USP 4300  
**Common Name:** Polymer Modified Asphalts  
**SDS Number:** 4000-300  
**Revision Date:** 6/14/2016  
**Version:** 04300  
**CAS Number:** New Chemical Entity  
**Chemical Family:** Petroleum Hydrocarbon  
**Chemical Formula:** \*\*\* PROPRIETARY \*\*\*  
**Internal ID:** USP 4300  
**Product Use:** Specialty Roofing applications, High Performance Shingle Laminate and Sealant  
**Supplier Details:** U.S. Polyco, Inc  
3901 S I45  
Ennis, TX 75119  
**Emergency:** After Hours Emergency Contact (Chemtrec 1-800-424-9300)  
**Contact:** Jared Miguez  
**Phone:** 972-875-9300  
**Fax:** 972-875-4414  
**Email:** jmiguez@uspolyco.com  
**Web:** www.uspolyco.com

**2 HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture**

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

Health, Skin corrosion/irritation, 3  
Health, Acute toxicity, 5 Oral  
Health, Acute toxicity, 5 Inhalation  
Environmental, Hazards to the aquatic environment - Acute, 3

**GHS Label Elements, Including Precautionary Statements**

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

**GHS Hazard Pictograms:**

no GHS pictograms indicated for this product

**GHS Hazard Statements:**

H316 - Causes mild skin irritation  
H303 - May be harmful if swallowed  
H333 - May be harmful if inhaled  
H402 - Harmful to aquatic life

**GHS Precautionary Statements:**

P261 - Avoid breathing fumes and vapors  
P264 - Wash \_ thoroughly after handling.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
CGA-PG28 - Avoid spills. Do not walk on or roll equipment over spills.

**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.

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

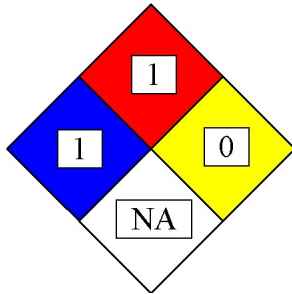
**Target Organs:** N/A

**Inhalation:** Can cause irritation and inflammation of the respiratory tract.

**Skin Contact:** May cause irritation, tearing and redness.

**Eye Contact:** May cause irritation.

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



IARC CLASSIFICATION

2B rated carcinogen for chronic exposure.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

| Cas#  | % | Chemical Name |
|-------|---|---------------|
| ***** |   | 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:** Do not attempt to remove any molten asphalt that has splashed on the skin and or eyes. Cool the affected area with water , saline solution , or ice packs until the asphalt hardens. Do not remove asphalt from skin or bandage burns. Seek medical attention.

**Eye Contact:** Flush eyes generously with water if exposed to fumes or cold asphalt .Seek medical attention if irritation persists.

**Ingestion:** Not a direct hazard.

### 5 FIRE FIGHTING MEASURES

**Flammability:** Material will burn when subjected to flame

**Flash Point:** >600F

**Flash Point Method:** COC Cleveland Open Cup

**Autoignition Temp:** >800F

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**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.

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**ACCIDENTAL RELEASE MEASURES**

**Contact local authorities**

**Avoid breathing fumes**  
**Use SCBA for large spills or in confined spaces**  
**Contain spills (if possible) and prevent product from entering sewers, storm drains, and waterways.**  
**Absorb spills with sand, calcium carbonate or other inert materials.**  
**Place recovered materials in appropriate containers and dispose of in accordance with local regulations.**  
**Avoid contact with skin, eyes or clothing**

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**HANDLING AND STORAGE**

**Handling Precautions:**

Handle molten product with gloves, faceshield, cotton pants, longsleeves, and apron to prevent exposure to burns.  
Gloves should be used to handle the product in it's solid state

**Storage Requirements:**

**OTHER PRECAUTIONS:** All personnel should wear appropriate PPE (Personal Protective Equipment) as defined in Section 8. Avoid exposure to fumes. Stay upwind of vessel openings when possible. Minimize breathing of vapors and fumes.  
Vessels and containers designed shall be designed to store molten asphalt as defined by local and state regulations.  
Store away from open flame

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**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:**

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

**Personal Protective Equipment:**

Use a NIOSH/MSHA approved respirator if exposure reaches or exceeds occupational exposure limits (TLV/TWA 5 MG/m3)  
HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron  
Personal protective equipment  
Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).  
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

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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.

ACGIH (TLV/TWA 5 MG/m3)

**9 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>                 | Petroleum distillate/ Hydrocarbon odor |
| <b>Odor Threshold:</b>        | Asphalt/petroleum distillate hydrocarbon od                               | <b>Molecular Formula:</b>    | Trade Secret                           |
| <b>Particle Size:</b>         | Not Established   | <b>Solubility:</b>           | Not Established                        |
| <b>Spec Grav./Density:</b>    | SG. = 1.01/ Density= 8.47 lbs   | <b>Softening Point:</b>      | 205-235F                               |
| <b>Viscosity:</b>             | 600-1100cp  | <b>Heat Value:</b>           | Not Measured                           |
| <b>Sat. Vap. Conc.:</b>       | 5mg/m3 for oil mist over an 8 hour daily exp                              | <b>Freezing/Melting Pt.:</b> | Melting point 250F                     |
| <b>Boiling Point:</b>         | Not measured  | <b>Flash Point:</b>          | >600F                                  |
| <b>Partition Coefficient:</b> |   | <b>Vapor Density:</b>        | Not measured                           |
| <b>Vapor Pressure:</b>        | N/A   | <b>VOC:</b>                  | N/A                                    |
| <b>pH:</b>                    | Not measured  | <b>Bulk Density:</b>         | 8.47/ lb @ 77F                         |
| <b>Evap. Rate:</b>            | N/A   | <b>Auto-Ignition Temp:</b>   | >800F                                  |
| <b>Molecular weight:</b>      | Not established   | <b>UFL/LFL:</b>              |  |
| <b>Decomp Temp:</b>           | Not Established   |                              |  |

**10 STABILITY AND REACTIVITY**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| <b>Reactivity:</b>              | N/A   |  |  |
| <b>Chemical Stability:</b>      | CONDITIONS TO AVOID (STABILITY):  | Do not overheat (greater than 400F for extended periods of time) |  |
| <b>Conditions to Avoid:</b>     | Water (While being held at elevated temperatures), other flammable solvents/liquids               |  |  |
| <b>Materials to Avoid:</b>      | Avoid adding water to molten product  |  |  |
| <b>Hazardous Decomposition:</b> | Evolves toxic levels of carbon dioxides, carbon monoxides, irritating aldehydes and keytones when |  |  |

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**Hazardous Polymerization:** heated to combustion  
In certain conditions, and exothermic reaction can result from prolonged overheating

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**TOXICOLOGICAL INFORMATION**

Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8)

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):  
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):  
no data available

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**ECOLOGICAL INFORMATION**

Benzene, ethenyl-, polymer with 1,3-butadiene cas#:(9003-55-8) []

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Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

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**DISPOSAL CONSIDERATIONS**

Do not eat

Dispose of in accordance with local regulations.

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

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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

Elevated Temperature Materials when in molten state. Refrain from long periods of fume inhalation

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

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Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8) TSCA

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

Regulatory CODE Descriptions

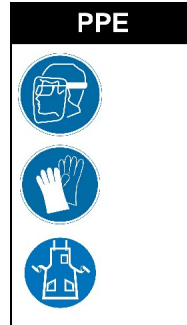
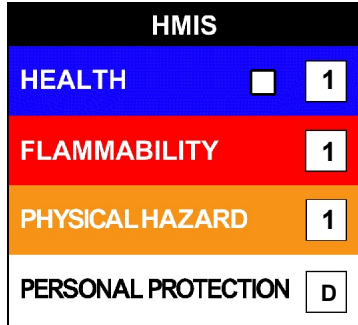
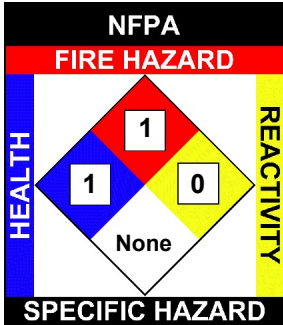
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TSCA = Toxic Substances Control Act  
MASS = MA Massachusetts Hazardous Substances List  
NRC = Nationally Recognized Carcinogens

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PA = PA Right-To-Know List of Hazardous Substances  
 TXAIR = TX Air Contaminants with Health Effects Screening Level

|    |                          |
|----|--------------------------|
| 16 | <b>OTHER INFORMATION</b> |
|----|--------------------------|

NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = None  
 HMIS III: Health = 1, Fire = 1, Physical Hazard = 1  
 HMIS PPE: D - Face Shield and Eye Protection, Gloves, Apron



**Glossary:**

ACIGH- American conference of Governmental Industrial Hygienist; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of dangerous goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency center(US); CHIP- Chemical Hazard Information and Packaging;DSL Domestic Substance List; EC- Equivalent Concentration; EH40 (UK)- HSE guidance note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right To Know Act; HMIS-Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL-Permissible Exposure Limits; SARA (Title III)- Superfund Amendments and Reauthorization Act (313); TWA- Time Weighted Average;TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; USDOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System

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