

**USP 2100**

**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** USP 2100  
**Common Name:** USP 2100  
**SDS Number:** USP-2000  
**Revision Date:** 4/22/2011  
**Version:** 002  
**CAS Number:** New Chemical Entity  
**Chemical Family:** Petroleum Hydrocarbon  
**Chemical Formula:** \*\*\* PROPRIETARY \*\*\*  
**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

**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

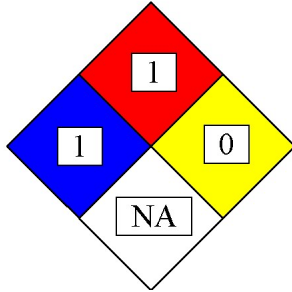
**GHS Precautionary Statements:**

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.  
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:** 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.

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IARC CLASSIFICATION

2B rated carcinogen for chronic exposure.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredients:**

Cas#	%	Chemical Name
*****	18-20%	Proprietary
*****	80-82%	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  
**Flash Point:** >500F  
**Flash Point Method:** COC Cleveland Open Cup  
**Autoignition Temp:** >700F

**EXTINGUISHING MEDIA**

ACCORDING TO NFPA GUIDE: Water spray, dry chemical, foam, or carbon dioxide. (Water or spray maycause 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**

Contact local authorities

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

OTHER PRECAUTIONS: All personnel should wear appropriate PPE (Personal Protective Equipment) as defined in Sectiion 8. Avoid exposure to fumes. Stay upwind of vessel openings when possible. Minimize breathing of vapors and fumes.

**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 400F

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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.

Use a NIOSH/MSHA approved respirator if exposure reaches or exceeds occupational exposure limits (TLV/TWA 5 MG/m3)

**Personal Protective Equipment:**

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 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)

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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>	Petroleum distillate/ Hydrocarbon odor
<b>Odor Threshold:</b>	Asphalt/petroleum distillate hydrocarbon od	<b>Solubility:</b>	
<b>Spec Grav./Density:</b>	.98-1.15	<b>Softening Point:</b>	210-230F
<b>Viscosity:</b>	2000-3500cp @400F	<b>Freezing/Melting Pt.:</b>	
<b>Sat. Vap. Conc.:</b>	5mg/m3 for oil mist over an 8 hour daily exp	<b>Flash Point:</b>	
<b>Boiling Point:</b>		<b>Vapor Density:</b>	
<b>Partition Coefficient:</b>		<b>Auto-Ignition Temp:</b>	
<b>Vapor Pressure:</b>		<b>UFL/LFL:</b>	
<b>pH:</b>			
<b>Evap. Rate:</b>			
<b>Decomp Temp:</b>			

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**STABILITY AND REACTIVITY**

<b>Reactivity:</b>	N/A		
<b>Chemical Stability:</b>	CONDITIONS TO AVOID (STABILITY):	Do not overheat (greater than 400F)	
<b>Conditions to Avoid:</b>	Water (While being held at elevated temperatures), 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 heated to combustion		
<b>Hazardous Polymerization:</b>	In certain conditions, and exothermic reaction can result from prolonged overheating		

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**TOXICOLOGICAL INFORMATION**

Benzene, ethenyl-, polymer with 1,3-butadiene cas#:(9003-55-8) [18-20%]

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

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**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

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: WL6478000

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**ECOLOGICAL INFORMATION**

Benzene, ethenyl-, polymer with 1,3-butadiene cas#:(9003-55-8) [18-20%]

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 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**

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**REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

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Benzene, ethenyl-, polymer with 1,3-butadiene (9003-55-8) [18-20%] TSCA

Naphtenic petroleum oil mixture (64742-53-6) [80-82%] MASS, NJHS, TSCA

Regulatory CODE Descriptions

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TSCA = Toxic Substances Control Act  
MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances

North America Regulatory Information

Clean water act/ Oil pollution act: Under section 311 of the CLEAN WATER ACT (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spills or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802.

TSCA: All components of this material are listed in the US TSCA Inventory.

OSHA: IARC Monographs state that when laboratory animals are exposed to severely hydrotreated oils, such as these product(s), there is insufficient evidence for cancer. These oils are unlabeled in accordance with 29 CFR 1910.1200.

SARA TITLE III Section 302/304: Extremely Hazardous Substance None  
Section 313: Toxic Chemicals None

CERCLA: Section 102(a) Hazardous substance- Not a reportable quantity

CALIFORNIA Not listed

## USP 2100

PROPOSITION #65

CANADIAN DOMESTIC  
SUSTANCES LIST

All components of this product are listed.

European regulatory information

EUROPEAN REGULATORY INFORMATION: This product is not known to be listed on the European Inventory of Existing Commercial Substances

CLASSIFIED AS DANGEROUS TO SUPPLY: NO

RISK PHRASES: NOT APPLICABLE

SAFETY PHRASES: NOT APPLICABLE

SYMBOLS: NONE

Asian regulatory information

JAPAN ENCS: This product is not known to be listed on Japan's existing or new chemical substances list.

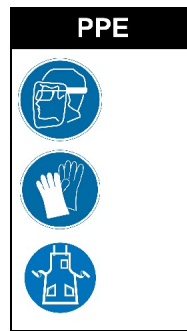
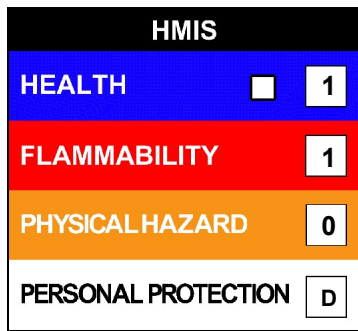
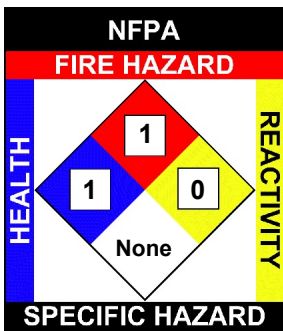
CHINA: This product is not known to be listed on China's (IECSC) inventory of existing chemical substances manufactured or imported in China.

<b>16</b>	<b>OTHER INFORMATION</b>
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NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 1, Fire = 1, Physical Hazard = 0

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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