

USP 3120

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: USP 3120
Common Name: Polymer Modified Asphalts
SDS Number: 300-120
Revision Date: 6/14/2016
Version: 03120
CAS Number: New Chemical Entity
Chemical Family: Petroleum Hydrocarbon
Chemical Formula: *** PROPRIETARY ***
Internal ID: USP 3120
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.

USP 3120



Route of Entry: Inhalation;
Eyes;
Skin;

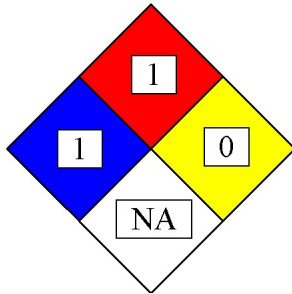
Target Organs: N/A

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

USP 3120

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
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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

7	HANDLING AND STORAGE
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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

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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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

USP 3120

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

Appearance:	Dark viscous liquid in molten state, Dark elastic material in solid state		
Physical State:	Molten Liquid or Semi solid when cooled	Odor:	Petroleum distillate/ Hydrocarbon odor
Odor Threshold:	Asphalt/petroleum distillate hydrocarbon od	Molecular Formula:	Trade Secret
Particle Size:	Not Established	Solubility:	Not Established
Spec Grav./Density:	SG. = 1.02/ Density= 8.3306 lbs	Softening Point:	205-230F
Viscosity:	450-700cp @ 360F	Heat Value:	Not Measured
Sat. Vap. Conc.:	5mg/m3 for oil mist over an 8 hour daily exp	Freezing/Melting Pt.:	Melting point 250F
Boiling Point:	Not measured	Flash Point:	>600F
Partition Coefficient:		Vapor Density:	Not measured
Vapor Pressure:	N/A	VOC:	N/A
pH:	Not measured	Bulk Density:	8.33/ lb @ 77F
Evap. Rate:	N/A	Auto-Ignition Temp:	>800F
Molecular weight:	Not established	UFL/LFL:	
Decomp Temp:	Not Established		

10

STABILITY AND REACTIVITY

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

USP 3120

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

11

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

12

ECOLOGICAL INFORMATION

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

USP 3120

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

13

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.

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

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

15

REGULATORY INFORMATION

Component (CAS#) [%] - CODES

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

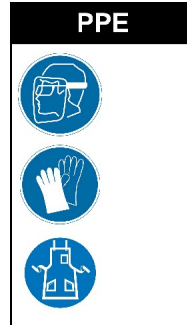
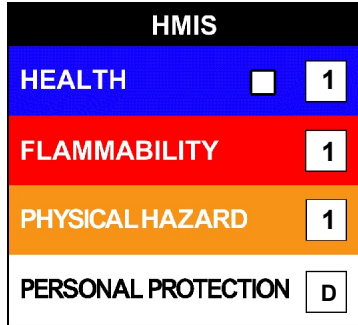
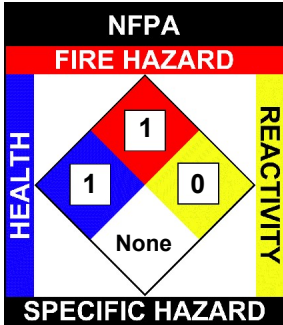
TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List
NRC = Nationally Recognized Carcinogens

USP 3120

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

16	OTHER INFORMATION
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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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