



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYASPARTIC 745 PART A

PRODUCT CODES: 745

MANUFACTURER: KRETETEK INDUSTRIES

STREET ADDRESS: 1000 N WEST ST

CITY, STATE, ZIP: WILMINGTON, DE 19801

INFORMATION PHONE: 855-573-8383

EMERGENCY PHONE: Chemtrec 800-424-9300

FAX PHONE: 855-573-8383

DATE REVISED: 1/1/16

Chemical Name or Class: Polyaspartic Coating

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
Cycloaliphatic diamine	trade secret	NE	NE	NE	N/A
Aromatic petroleum distillates	64742-95-6	100ppm	100ppm	NONE	N/A

Aromatic Petroleum Distillates contains approximately 7% xylene CAS# 1330--20-7 which has a pel and TLV of 100ppm and a STEL of 150ppm; approximately 3% cumene CAS# 98-82-8 which has a PEL and TLV of 50ppm skin; approximately 40% trimethylbenzene CAS# 25551-13-7 which has a PEL and TLV of 25ppm. Trimethylbenzene may contain 50% pseudocumene 1,2,4- or 1,2,5-trimethylbenzene CAS# 95-63-3 and 22.5% mesitylene 1,3,5-trimethylbenzene CAS# 108-67-8. Xylene and cumene are subject to the reporting requirements of section 313 of SARA Title III.

***No toxic chemical(s) subject to the reporting requirements of section 313 of title iii and of 40 cfr 372 are present. ***oral Id50 >2000mg/kg. Product is on tsca inventory.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: clear liquid with slight aromatic solvent odor

Boiling point or range: n/a

Vapor density (air = 1): not available

Specific gravity (h₂o = 1): 1.0

Evaporation rate: n/a

Solubility in water: negligible

SECTION 4: FIRE-FIGHTING MEASURES

Flammable limits in air, upper: n/a
(% by volume) lower: n/a

Flash point: 100-140f

Method used:

Seta flash

Extinguishing media:

Foam, alcohol foam, co2, water fog

Special fire fighting procedures:

Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for fire fighters. Cool fire exposed containers with water.

Unusual fire and explosion hazards:

None known

SECTION 5: STABILITY AND REACTIVITY

Stability:

Stable

Conditions to avoid (stability):

Avoid contact with open flames and all sources of ignitions and sparks.

Incompatibility (material to avoid):

Avoid contact with strong oxidizing agents or materials

Hazardous decomposition or by-products:

Co, co2, nox, amines and other aliphatic fragments which have not been determined.

Hazardous polymerization:

Will not occur

SECTION 6: HAZARDS IDENTIFICATION

Hmis Hazard Classification

Health: 2 Flammibility: 2 Reactivity: 0 Personal Protective Equipment: G

Potential health effects

Eyes:

High vapor concentrations can cause severe irritation to the eyes, nose or throat.

Skin:

Can cause severe irritation to the skin.

Ingestion:

Liquid can cause damage to mucous membranes if swallowed.

Inhalation:

High concentrations of vapor can cause irritation to the respiratory tract, nausea and

Dizziness.

Health hazards (acute and chronic):

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

Can cause sentization by exposure through contact or high concentration of vapor. Over exposure to this material can cause cardiac abnormalities, anemia, liver abnormalities, kidney damage or even eye damage. Can cause asthma or other respiratory disorders, bronchitis, emphysema, hyperactivity, and excema.

Medical conditions generally aggravated by exposure:

Respiratory conditions or other allergic ailments

Carcinogenicity

OSHA: no NTP: no IARC: no

Additional carcinogenicity information:

No listed ingredients of this product are regulated as carcinogens.

SECTION 7: FIRST AID MEASURES

Eyes:

Immediately flush with large amounts of water for at least 15 minutes while lifting upper and lower lids, get immediate medical assistance.

Skin:

Flush skin with water for at least 15 minutes and remove all contaminated clothing immediately. Get

Medical attention if reddening or swelling occurs.

Ingestion:

Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious. Get medical attention immediately.

Inhalation:

Remove to fresh air if effects persist and administer oxygen if necessary.

Notes to physicians or first aid providers:

SECTION 8: RELEASE MEASURES

Steps to be taken in case material is released or spilled: avoid contact with material. Wear the appropriate safety equipment. Stop spill at source, dyke area to prevent spreading. Pump liquid to salvage tank. Take up remainder with clay or other absorbant and place in disposal containers.

SECTION 9: WASTE DISPOSAL

Waste disposal method:

Dispose of material as a hazardous waste according to federal, state, and local regulations.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.

OTHER PRECAUTIONS:

MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Niosh approved respirator protection required in the absence of proper environmental controls. For emergencies a self-contained breathing apparatus or a full face respirator is recommended.

Ventilation:

Avoid breathing vapors. Ventilation must be sufficient to control vapors.

Protective gloves:

Impervious gloves, neoprene or rubber.

Eye protection:

Splash proof goggles or safety glasses with side shields.

Other protective clothing or equipment:

Clean body covering clothing as well as apron footwear or other equipment should be used as deemed necessary to avoid contact with the material.

Work hygienic practices:

Observe general good hygienic practices.

SECTION 12: DISCLAIMER

Disclaimer: the information here in is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYASPARTIC 745 PART B

PRODUCT CODES: 745

MANUFACTURER: KRETETEK INDUSTRIES

STREET ADDRESS: 1000 N WEST ST

CITY, STATE, ZIP: WILMINGTON, DE 19801

INFORMATION PHONE: 855-573-8383

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
Homopolymer of HDI	28182-81-2	1mg/m3	NONE	NONE	
Hexamethylene Diisocyanate (HDI)	822-06-0	NONE	.005 PPM	NONE	

***No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

HDI: Oral LD50>10,000 mg/kg (rats), inhalation LC50 ranges from 137 TO 1150 mg/m3, eye irritation score 54.6/110 for a 24 hour exposure, skin exposure- moderate irritation score 3.4/8 (rabbit)

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: pale yellow liquid with negligible odor

Boiling point or range: n/a

Vapor density (air = 1): not available

Specific gravity (h2o = 1): 1.1

Evaporation rate: n/a

Solubility in water: negligible

SECTION 4: FIRE-FIGHTING MEASURES

Flammable limits in air, upper: n/a

(% by volume) lower: n/a

Flash point: >200f

Method used:

Seta flash

Extinguishing media:

Foam, alcohol foam, co2, dry chemical

Special fire fighting procedures:

Enter confined area with full bunker gear including a positive pressure self-contained breathing apparatus. During a fire, hdi vapors and other highly toxic vapors may be generated. Water or extreme heat may cause containers to explode.

Unusual fire and explosion hazards:

Water contamination may cause the generation of co2 and cause container to burst or explode. Extreme heat may cause container to explode. Hazardous decomposition products evolved in a fire may be irritating or toxic.

SECTION 5: STABILITY AND REACTIVITY

Stability:

Stable

Conditions to avoid (stability):

Avoid excessive heat or open flames as well as all sources of ignitions such as sparks, heaters, static discharges, etc.

Incompatibility (material to avoid):

Avoid water, amines, strong bases, alcohols, metal compounds, and surface active compounds.

Hazardous decomposition or by-products:

May form toxic chemicals, carbon monoxide, carbon dioxide, oxides of nitrogen, hcn and hdi.

Hazardous polymerization:

Moisture or materials that react with isocyanates and temperatures above 400 degrees f may cause polymerization.

SECTION 6: HAZARDS IDENTIFICATION

Hmis Hazard Classification

Health: 3 Flammibility: 1 Reactivity: 1 Personal Protective Equipment: G

Potential health effects

Eyes:

Can cause severe irritation, redness, tearing, or blurred vision as well as corneal opacity and conjunctivitis.

Skin:

May cause irritation, defatting and dermatitis.

Ingestion:

Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Can cause corrosive action to the mucous membranes and digestive tracts.

Inhalation:

Can cause nausea and respiratory irritation, dizziness, weakness, fatigue, headache, and possible unconsciousness. Burning sensation to mucous membranes, shortness of breath and flu like symptoms may occur.

Health hazards (acute and chronic):

Can cause sensitization by exposure through contact or high concentrations of vapor. Over-exposure to this material can cause cardiac abnormalities. Overexposure can possibly cause anemia, liver abnormalities, kidney damage, or eye damage. May cause asthma or other respiratory disorders, bronchitis, emphysema, hyperactivity, and eczema.

Medical conditions generally aggravated by exposure:

Respiratory conditions or other allergic ailments

Carcinogenicity

OSHA: no NTP: no IARC: no

Additional carcinogenicity information: no listed ingredients of this product are regulated as carcinogens.

SECTION 7: FIRST AID MEASURES

Eyes:

Immediately flush with large amounts of water for at least 15 minutes. Get immediate medical assistance.

Skin:

For extreme exposure use a safety shower immediately. Wash affected area with soap and water and remove contaminated clothing promptly.

Ingestion:

Do not induce vomiting keep person warm and consult a physician immediately. Give 1-2 cups of milk or water to drink.

Inhalation:

Remove to fresh air if effects persist and administer oxygen if necessary. Obtain medical assistance. Asthmatic type symptoms may occur immediately or be delayed for several hours.

SECTION 8: RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Wear respirator and protective clothing. Remove all sources of ignitions. Remove excess with spark proof equipment, and the remainder with an absorbent such as clay and place in disposal containers. Contained air respirator may be necessary.

SECTION 9: WASTE DISPOSAL

Waste disposal method:

Dispose of material as a hazardous waste according to federal, state, and local regulations.

SECTION 10: HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Store in cool dry place, seal all partially used containers. Wash with soap and water before eating, drinking, smoking, or using the toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the msds' s of all the components prior to using material. Properly label all containers. Keep material away from all sources of ignition.

Other precautions:

Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof. Wear appropriate safety equipment and respirator at all times when ventilation is not sufficient to control vapors. Observe osha regulations for respirator use (29 cfr 1910.134). When spraying material avoid exposure to all mists generated by using air supplied respirator.

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Use a niosh approved respirator as required to prevent over-exposure to vapor in accordance with 29 cfr 1910.134. Engineering or administrative measures should be taken to reduce the risk & exposure. Use a positive pressure supplied air respirator when exceeding tlvs or if hdi monomer concentrations exceed acceptable limits or when spraying material.

Ventilation:

Exhaust ventilation sufficient to keep airborne concentrations of hdi below their tlv and mgl maximum. Refers to patty' s industrial hygiene & toxicology- volume 1 (3rd edition) chapter 17 and volume iii (1st edition) chapter 3 for details.

Protective gloves:

Impervious gloves, neoprene or rubber.

Eye protection:

Splash proof goggles or safety glasses with side shields. Do not wear contact lenses when using this product.

Other protective clothing or equipment:

Clean body covering clothing as well as apron footwear or other equipment should be used as deemed necessary to avoid contact with the material.

Work hygienic practices:

Observe general good hygienic practices.

SECTION 12: DISCLAIMER

Disclaimer: the information here in is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.