

Date of Preparation: 10/13 SDS No. 30177

Revision: 0

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: KB 3342

Synonyms: Proprietary resin, xylenes, heavy aromatic naptha and ethylbenzene

CAS Number: Mixture of proprietary resin, 1330-20-7, 100-41-4

Chemical Formula: Mixture

General Use: Various

Manufacturer: KMCO, 16503 Ramsey Road, Crosby, Texas 77532

24-HOUR EMERGENCY NUMBER - CHEMTREC: 1-800-424-9300

KMCO PHONE: (281) 328-3501

FAX: (281) 328-9528

Restrictions on Use: Industrial Use Only

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification:

OSHA Hazards: Flammable Liquid, Carcinogen, Target Organ Effect, Harmful by Skin Absorption, Irritant

Target Organs: Liver, Kidney, Blood, Eyes, Ears, Heart, Bone marrow, Central nervous system

GHS Classification:

Flammable liquids (Category 3)

Acute toxicity, Oral (Category 5)

Acute toxicity, Inhalation (Category 4)

Aspiration hazard (Category 2)

Acute toxicity, Dermal (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Acute aquatic toxicity (Category 2)

Signal Word: DANGER



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Hazard Statements:

H226 Flammable liquid and vapor H303 May be harmful if swallowed

H305 May be harmful if swallowed and enters airways

H312 + H332 Harmful in contact with skin or if inhaled

H315 Causes skin irritation

H318 Causes serious eye damage

H401 Toxic to aquatic life

Precautionary Statements:

ary Statements:	
P210	Keep away from heat, sparks, open flames, and hot
	surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground / bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautions against static discharge.
P261	Avoid breathing fumes / gas / mist / vapors / spray.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, eye protection, face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove / take off immediately all
	contaminated clothing. Rinse skin with water / shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at
	Rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

P310 IF IN EYES: immediately call a POISON CENTER or doctor

/ physician.

rinsing.

P308 + P313 IF exposed or concerned: Get medical advice / attention.

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P312	Call a doctor / physician if you feel unwell.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: get medical advice / attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire, use dry chemical, foam or carbon dioxide for Extinction.
P391	Collect spillage.

50 – 60% of the mixture consists of ingredients of unknown acute toxicity.

HMIS Classification

Health hazard: 2
Chronic Health Hazard
Flammability 3
Physical hazards 0

NFPA Rating

Health hazard: 2
Fire: 3
Reactivity 0

Description of Any Other Hazards Not Otherwise Classified: none known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

		%wt. or
INGREDIENT Name:	<u>CAS NUMBER</u>	%v
Proprietary Resin		60 - 65
Xylenes	1330-20-7	21 – 25
Heavy Aromatic Naptha	64742-94-5	9-13
Ethylbenzene	100-41-1	1 – 2

60 - 65% of the composition of this material has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation continues or persists, get medical advice / attention.



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SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice / attention.

INGESTION: Do not induce vomiting or give anything by mouth. Rinse mouth with water. Consult a physician.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Contact a Poison Center.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak, and disperse vapors.

UNSUITABLE EXTINGUISHING MEDIA: Direct water stream.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area. Do not use direct water stream to extinguish fires. Product may travel with water and reignite. Vapors can flow along surfaces to distant ignition source and flash back. Do not release runoff from fire control methods to sewers or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Above flash point, vapor-air mixtures may be explosive. Contact with strong oxidizers may cause fire. Containers may explode when involved in a fire. Sensitive to static discharge.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, and unidentified organic compounds.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS: Wear full protective clothing and NIOSH – approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive breathing mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use appropriate personal protective equipment. Avoid breathing vapors, mist or gas. Avoid contact with spilled material. Insure adequate ventilation. Remove all sources of ignition. Use non-sparking tools and equipment.



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PROTECTIVE CLOTHING: Standard work uniform. Impervious gloves. Safety glasses. Personnel should increase PPE level as deemed appropriate in any given situation.

EMERGENCY PROCEDURES:

SMALL SPILLS: Contain and recover liquid when possible. Collect liquid in appropriate container or absorb with an inert material (such as vermiculite or dry sand) and place in chemical waste container. Do not use combustible materials such as sawdust for the cleanup.

LARGE SPILLS:

Containment: Shut off source of leak if safe to do so. Dike far ahead of liquid spill for later disposal. Do not allow material to enter sewers or waterways.

Cleanup: Contain and recover liquid when possible. Collect liquid in appropriate container. Absorb residue with an inert material (such as vermiculite or dry sand) and place in chemical waste container. Do not use combustible materials such as sawdust for the cleanup.

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Containers should be bonded and grounded for transfers to avoid static sparks. Use non-sparking tools and equipment, including explosion proof ventilation. Do not attempt to clean empty containers.

STORAGE REQUIREMENTS: Store out of direct sunlight in a cool, well-ventilated area. Separate from incompatibles. Outside or detached storage is preferred.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Controls should be such that adequate ventilation is provided.

VENTILATION: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work place by controlling it at its source.

RESPIRATORY PROTECTION: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA / NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (e.g. cleaning spills, reactor vessels, or storage tanks), wear an



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SCBA. Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

EYE PROTECTION: Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133) Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

SKIN PROTECTION: Wear chemically protective gloves, boots, aprons and gauntlets to prevent prolonged or repeated skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Make emergency eyewash stations, safety/quick drench showers and washing facilities available in work areas.

WORK HYGIENIC PRACTICES: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Separate contaminate work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment. Discard belts and shoes that cannot be cleaned.

EXPOSURE GUIDELINES:

	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
Ingredient	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Proprietary Resin	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Xylene	100 ppm	150 ppm	100 ppm	150 ppm	100 ppm	125 ppm	900 ppm
Heavy Aromatic Naptha	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Ethylbenzene	100 ppm	125 ppm	100 ppm	125 ppm	100 ppm	125 ppm	800 ppm

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid



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APPEARANCE AND COLOR: amber

ODOR: aromatic **FLASH POINT: 95°F**

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LEL: 1.0% v/v (data for xylene) UEL: 7.0% v/v (data for xylene)

AUTO IGNITION TEMPERATURE: 867°F (data for xylene)

DECOMPOSITION TEMPERATURE: not available

VAPOR PRESSURE: not determined (for xylene; 8mm Hg at 68°F)

ODOR THRESHOLD: not available VAPOR DENSITY (air = 1): >1.0

pH: 5.0 - 8.0

RELATIVE DENSITY: not available

SPECIFIC GRAVITY (H2O =1 AT 4 C): 0.985 MELTING POINT / FREEZING POINT: <-20°F

WATER SOLUBILITY: insoluble

OTHER SOLUBILITIES:

Xylene: soluble Isopropanol: soluble

INITIAL BOILING POING AND BOILING RANGE: not available

EVAPORATION RATE (BuAc = 1): 0.4

PARTITION COEFFICIENT: n-OCTANOL/WATER: not available

VISCOSITY: not available

REFRACTIVE INDEX: not available

FORMULA WEIGHT: mixture

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: none under normal handling

STABILITY: stable at room temperature under normal storage and handling conditions.

CONDITIONS TO AVOID (STABILITY): Incompatible materials. Heat, flames and ignition sources.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION BY-PRODUCTS: Carbon monoxide, carbon dioxide, and

unidentified organic compounds

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur

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CONDITIONS TO AVOID (POLYMERIZATION): Not applicable – hazardous polymerization will not occur

HAZARDOUS POLYMERICATION BY-PRODUCTS: Not applicable – hazardous polymerization will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia, Tremors.

ACUTE EFFECTS:

EYE CONTACT: Causes eye irritation

SKIN CONTACT: May be harmful if absorbed through skin. Causes skin irritation

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

INGESTION: May be harmful if inhaled. Causes respiratory tract irritation.

TARGET ORGAN EFFECTS: no data available

CHRONIC EFFECTS: no data available

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problem or impaired liver, kidney or respiratory function may be more susceptible to the effects of this substance

ACUTE TOXICITY VALUES

PROPRIETARY RESIN

ORAL LD50 (animal): data not available DERMAL LD50 (animal): data not available INHALATION LC50 (animal): data not available

XYLENES

ORAL LD50 (animal): data not available

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DERMAL LD50 (animal): data not available **INHALATION LC50 (animal):** data not available

HEAVY AROMARIC NAPTHA

ORAL LD50 (rat): 6,318 mg/kg

DERMAL LD50 (rabbit): >2000 mg/kg

INHALATION LC50 (rat): 4688

ETHYLBENZENE

ORAL LD50 (animal): data not available DERMAL LD50 (rabbit): 15,433 mg/kg

INHALATION LC50 (animal): data not available

LISTED CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM REPORT ON CARCINOGENS: no components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by the NTP.

IARC LISTED AS POTENTIAL CARCINOGEN:

2B – Group 2B: Possibly carcinogenic to humans (ethylbenzene)

OSHA LISTED AS POTENTIAL CARCINOGEN: No component of the 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: DEVELOPMENTAL HAZARD. May harm the unborn child based on animal information. Has been associated with: low birth weight or size, learning disabilities (xylenes).

SECTION 12: ECOLOGICAL INFORMATION

DATA FROM TOXICITY TESTS ON AQUATIC AND/OR TERRESTERIAL ORGANISMS:

PROPRIETARY RESIN

Fish: no data available Daphnia: no data available

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XYLENE

Fish: no data available Daphnia: no data available

HEAVY AROMATIC NAPTHA

Fish: LC50 – Onchorhynchus mykiss (rainbow trout) < 5 mg/l - 96h

Daphnia: LC50 – Daphnia magna (Water flea) – < 10 mg/l - 48h

ETHYLBENZENE

Fish: LC50 – Cprinodon variegatus (sheepshead minnow) – 88.00 mg/l – 96h

LC50 – Lepomis macrochirus (bluegill) – 80.00 mg/l – 96h

LC50 - Onchorhynchus mykiss (rainbow trout) – 4.2 mg/l – 96h

Daphnia: LC50 – Daphnia magna (Water flea) – 2.90 mg/l – 48h

ENVIRONMENTAL FATE: no data available

BIOACCUMULATION POTENTIAL: no data available

POTENTIAL TO MOVE FROM SOIL TO GROUNDWATER: no data available

OTHER ADVERSE ENVIRONMENTAL EFFECTS: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

CONTAINERS TO USE: No specific recommendations

RECOMMENDED DISPOSAL METHODS: Whatever cannot be saved for recovery or recycling should be disposed of in an approved waste facility in accordance with Federal, State/Provincial and Local requirements.

PHYSICAL AND CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL ACTIVITIES: No specific information available

WHENEVER POSSIBLE, MATERIAL SHOULD NOT BE ALLOWED TO ENTER SEWAGE DISPOSAL SYSTEMS.



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SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION ACTIVITIES: No specific

information available

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (49 CFR 172.101)

PROPER SHIPPING NAME: Flammable Liquid, n.o.s. (contains xylenes, ethylbenzene)

SHIPPING SYMBOLS: n/a

HAZARD CLASS: 3

UN/NA NUMBER: UN1993
PACKING GROUP: III

LABELS REQUIRED: 3, Flammable Liquid SPECIAL PROVISIONS (172.102): none

PACKAGING AUTHORIZATIONS

A) EXCEPTIONS: 173.150

B) NON-BULK PACKAGING: 173.203

C) BULK PACKAGING: 173.242

QUANTITY LIMITATIONS:

A) PASSENGER, AIRCRAFT OR RAILCAR: 60L

B) CARGO AIRCRAFT ONLY: 220L

VESSEL STOWAGE REQUIREMENTS

A) VESSEL STOWAGE: Category A

B) OTHER: none

IATA

UN NUMBER: 1993

PROPER SHIPPING NAME: Flammable liquid, n.o.s.(contains xylenes, ethylbenzene)

CLASS: 3

PACKING GROUP: I, II, III SPECIAL PROVISIONS:

PACKING GROUP II: none PACKING GROUP III: A3

EXCEPTED QUANTITY



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MAXIMUM PER INNER PACKAGE:

PACKING GROUP II: 30 mL PACKING GROUP III: 30 mL PACKING GROUP III: 30 mL

MAXIMUM PER PACKAGE:

PACKING GROUP I: 0.3 L PACKING GROUP II: 0.5 L PACKING GROUP III: 1.0 L

LIMITED QUANTITY

PACKAGING INSTRUCTION:

PACKING GROUP II: Forbidden PACKING GROUP III: Y341 PACKING GROUP III: Y344

MAXIMUM PER PACKAGE:

PACKING GROUP I: Forbidden

PACKING GROUP II: 1 L PACKING GROUP III: 10 L

PASSENGER AIRCRAFT

PACKAGING INSTRUCTION:

PACKING GROUP II: 351 PACKING GROUP III: 353 PACKING GROUP III: 355

MAXIMUM PER PACKAGE:

PACKING GROUP I: 1 L PACKING GROUP II: 5L PACKING GROUP III: 60L

CARGO AIRCRAFT:

PACKAGING INSTRUCTION:

PACKING GROUP I: 361
PACKING GROUP II: 364
PACKING GROUP III: 366

MAXIMUM PER PACKAGE:

PACKING GROUP II: 30 L PACKING GROUP III: 60 L PACKING GROUP III: 220 L

ERG CODE: 3L

IMDG



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UN NUMBER: UN1993

PROPER SHIPPING NAME: Flammable liquid, n.o.s. (contains xylenes, ethylbenzene)

CLASS OR DIVISION: 3 SUBSIDARY RISK(S): ---PACKING GROUP: I, II, III SPECIAL PROVISIONS:

PACKING GROUP I: 274
PACKING GROUP II: 274

PACKING GROUP III: 223, 274, 955

LIMITED AND EXCEPTED QUANTITY PROVISIONS

LIMITED QUANTITIES:

PACKING GROUP II: 0
PACKING GROUP III: 1 L
PACKING GROUP III: 5 L

EXCEPTED QUANTITIES:

PACKING GROUP I: E3
PACKING GROUP II: E2
PACKING GROUP III: E1

PACKING

INSTRUCTIONS:

PACKING GROUP I: P001
PACKING GROUP II: P001

PACKING GROUP III: P001, LP01

PROVISIONS:

PACKING GROUP I: --PACKING GROUP II: --PACKING GROUP III: ---

IBC

INSTRUCTIONS:

PACKING GROUP II: --PACKING GROUP III: IBC02
PACKING GROUP III: IBC03

PROVISIONS:

PACKING GROUP II: --PACKING GROUP III: ---



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PORTABLE TANKS AND BULK CONTAINERS

TANK INSTRUCTIONS:

PACKING GROUP I: T11
PACKING GROUP II: T7
PACKING GROUP III: T4

PROVISIONS:

PACKING GROUP I: TP1, TP27

PACKING GROUP II: TP1, TP8, TP28 PACKING GROUP III: TP1, TP29

EmS: F-E, <u>S-E</u>

STOWAGE AND SEGREGATION:

PACKING GROUP II: Category E
PACKING GROUP III: Category A
PACKING GROUP III: Category A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this mixture are listed on the TSCA inventory

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Spills of this product over the RQ (Reportable Quantity) must be reported to the National Response Center. The RQ for ethylbenzene is 1000 pounds. The RQ for xylenes is 100 pounds. Report spills as required under Federal, state and local regulation.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

311/312 HAZARD CATEGORIES:

Immediate Hazard: yes / no Delayed Hazard: yes / no Fire Hazard: yes / no Pressure Hazard: yes / no Reactivity Hazard: yes / no



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313 REPORTABLE INGREDIENTS: Ethylbenzene, Xylene, Heavy Aromatic Naptha

CLEAN WATER ACT (CWA): None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

CLEAN AIR ACT (CAA): Xylene, CAS Number 1330-20-7

STATE REGULATIONS:

California Prop 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer: ethylbenzene, CAS Number 100-41-4

Massachusetts Right to Know Components: Ethylbenzene, CAS Number 100-41-4

Pennsylvania Right to Know Components: Ethylbenzene, CAS Number 100-41-4

New Jersey Right to Know Components: Ethylbenzene, CAS Number 100-41-4

CANADA: DOMESTIC SUBSTANCES LIST: Components of this mixture are listed.

CANADA WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): B2 Flammable liquid, D2B Toxic (skin irritant), D2A Very toxic materials.

CANADIAN ENVIRONMENTAL PROTECTION AGENCY TOXICS LIST: not listed

SECTION 16: OTHER INFORMATION

Prepared by: KMCO

Disclaimer: This product if FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF

CHILDREN. DO NOT TAKE INTERNALLY.

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