

Date of Preparation: 3/09

Revision: 7

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: KW115

Chemical Formula: Mixture

CAS Number: Mixture of 68188-50-1 and 64742-94-5

Synonyms: Olefin/Maleic Ester in Heavy Aromatic Naphtha

General Use: Various

Manufacturer: KMCO, LP, 16503 Ramsey Road, Crosby, Texas 77532, Phone (281) 328-3501, FAX (281) 328-9528

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

Section 2 - Composition / Information on Hazardous Ingredients

Ingredient Name	CAS Number		% wt <i>or</i> % vol	
Olefin/Maleic Ester	68188-50-1		80	
Heavy Aromatic Naphtha	64742-94-5		17	
Trimethylbenzenes	95-63-6		2	
Naphthalene	91-20-3		1	

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Olefin/Maleic Ester	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Heavy Aromatic Naphtha	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Trimethylbenzenes	none estab.	none estab.	25 ppm	none estab.	25 ppm	none estab.	none estab.
Naphthalene	10 ppm	none estab.	10 ppm	15 ppm	10 ppm	15 ppm	none estab.

Section 3 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

WARNING! EYE CONTACT WITH LIQUID MAY BE IRRITATING. HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING TO EYES, NOSE, THROAT, AND RESPIRATORY TRACT AND MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

HMIS	
H	2
F	1
R	1

Potential Health Effects

Acute Effects

Inhalation: Vapors may cause shortness of breath and aggravate any existing pulmonary disease or respiratory condition.

Eye: Eye contact with liquid may be irritating.

Skin: Liquid is mildly irritating to the skin and could cause skin irritation and dermatitis.

Ingestion: May produce central nervous system depression. Ingestion presents an aspiration hazard.

Carcinogenicity: None of the components of this mixture are listed carcinogens.

Medical Conditions Aggravated by Long-Term Exposure: May aggravate an existing dermatitis, throat, or respiratory condition.

Chronic Effects: Central nervous system depression may be evidenced by giddiness, headaches, and nausea.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.
Skin Contact: Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes.
Ingestion: Do not induce vomiting. Get immediate medical attention.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Special Precautions/Procedures: None.

Section 5 - Fire-Fighting Measures

Flash Point: >200° F (>93.3°C)

Flash Point Method: CC

Burning Rate: Not Determined

Autoignition Temperature: Not Determined

LEL: Not Determined

UEL: Not Determined

Flammability Classification: Dangerous when exposed to heat or flames. Can react with oxidizing materials.

Extinguishing Media: Water fog, foam, dry chemical, carbon dioxide.

Unusual Fire or Explosion Hazards: Do not use direct stream of water; product will float and may reignite.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and unidentified organic compounds.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Use non-sparking tools and equipment. Do not flush to sewer.

Small Spills: Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand) and place in a chemical waste container. Do not use combustible materials, such as sawdust.

Large Spills

Containment: Wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Contain and recover liquid when possible. Collect liquid in appropriate container. Absorb residue with an inert material. Consult with your environmental department for detailed clean up instructions.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Handle material in a well-ventilated area to minimize potential exposure hazard.

Storage Requirements: Store out of direct sunlight and in a cool, well ventilated area.

Regulatory Requirements: This product contains the following chemical(s) subject to the reporting requirements of SARA Title III Section 311, 312, and 313: Naphthalene.

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 (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: Normal industrial requirements should be in place.

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 nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an 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.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. 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.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: 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.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Brown solid with an aromatic odor.

Odor Threshold: Not Determined

Vapor Pressure: Not Determined

Vapor Density (Air=1): >1

Formula Weight: Mixture

Density: 6.83 – 7.33 lb/gal

Specific Gravity (H₂O=1, at 4 °C): 0.82 – 0.88

pH: 5 – 8

Water Solubility: Not Soluble

Other Solubilities: not Determined

Boiling Point: Not Determined

Freezing/Melting Point: Not Determined

Viscosity: Not Determined

Refractive Index: Not Determined

Surface Tension: Not Determined

% Volatile: Not Determined

Evaporation Rate(BuAc=1): 0.2

Section 10 - Stability and Reactivity

Stability: KW115 is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Oxidizing agents.

Conditions to Avoid: Heat and flame.

Hazardous Decomposition Products: Thermal oxidative decomposition of KW115 can produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Section 11 – Toxicological Information**Toxicity Data:***

Eye Effects: Low hazard for usual industrial handling or commercial handling by trained personnel.

Acute Inhalation Effects:

Human, inhalation, TC_{LO}: Data for this mixture are not available

Skin Effects: Low hazard for usual industrial handling or commercial handling by trained personnel.

Acute Oral Effects:

Rat, oral, LD₅₀: Data for this mixture are not available.

Inhalation: Low hazard for usual industrial or commercial handling by trained personnel.

Chronic Effects: Prolonged and/or repeated skin contact can result in dermatitis.

Carcinogenicity: None of the components of this mixture are listed carcinogens.

Mutagenicity: Data for this mixture are not available.

Teratogenicity: Data for this mixture are not available.

Ingestion: Low hazard for usual industrial or Commercial handling by trained personnel.

* See NIOSH, RTECS for additional toxicity data.

Section 12 – Ecological Information

Ecotoxicity: Data not available.

Environmental Fate: Data not available.

Environmental Degradation: Data not available.

Soil Absorption/Mobility: Data not available.

Section 13 – Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Consult current Federal, state, and local regulations.

Container Cleaning and Disposal: Dispose of container and unused contents in accordance with Federal, state, and local requirements.

Section 14 – Transport Information**DOT Transportation Data (49 CFR 172.101):**

Shipping Name: Not regulated

Packaging Authorizations**Quantity Limitations**

Shipping Symbols: NA

a) Exceptions: N/A

a) Passenger, Aircraft, or Railcar:

Hazard Class: NA

b) Non-bulk Packaging:

N/A

ID No.: NA

N/A

b) Cargo Aircraft Only: N/A

Packing Group: NA

c) Bulk Packaging: N/A

Vessel Stowage Requirements

Label: N/A

a) Vessel Stowage: A

Special Provisions

b) Other: None

(172.102): N/A

Note: In containers of 119 gal. Capacity or less this product is not regulated by DOT.

Section 15 – Regulatory Information**EU REACH – NOT REGISTERED AND CANNOT BE EXPORTED IN THE THE EU.****EPA Regulations:**

TSCA (Toxic Substances Control Act, 40 CFR 700) Inventory Status: All product components are listed or exempt

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ), None
SARA 311/312 Hazard Codes: Health (Immediate)
SARA 313 Toxic Chemical (40 CFR 372.65): Not listed
SARA 304 EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed
SARA Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
OSHA Specifically Regulated Substance (29CFR 1910): Not listed

California Proposition 65:

None Listed

Section 16 - Other Information

Prepared By: KMCO, LP.

Revision Notes: Changed DOT description to "Not Regulated"

Additional Hazard Rating Systems: None.

Disclaimer: This product is FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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