

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: KC168
Chemical Formula: Mixture
CAS Number: A mixture of 68526-42-1 and 68526-42-1
Synonyms: Ammine Fatty Acid Imidazoline
General Use: Corrosion Inhibitor
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 or % vol	
Ammine Fatty Acid Imidazoline		68526-42-1		75	
Aromatic Hydrocarbon		64742-94-5		25	

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Amine Fatty Acid Imidazoline	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Aromatic Hydrocarbon	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

Section 3 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆
 CAUTION! MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION.

HMIS	
H	1
F	1
R	0

Potential Health Effects

Acute Effects

Inhalation: Vapors may cause shortness of breath or aggravate any existing pulmonary diseases or respiratory conditions. May cause allergic reactions in amine sensitive individuals.
Eye: May be mildly irritating to eyes.
Skin: May cause allergic reactions in amine sensitive individuals.
Ingestion: Not known.

Carcinogenicity: IARC, NTP, and OSHA do not list any of the components of this mixture as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: May aggravate an existing dermatitis, throat, or respiratory condition. Individuals sensitive to amines may be more susceptible to the effects of this product.
Chronic Effects: Individuals chronically exposed may be sensitized to DETA. Once acquired, sensitivity may be retained for many years, with possible cross-sensitization to other amines.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Dispose of contaminated clothing in accordance with all local, state, and Federal regulations.
Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspirations into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

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: 164° F (73.3 °C)

Flash Point Method: CC

Burning Rate: Not Determined

Autoignition Temperature: Not Determined

LEL: 1.0

UEL: 7.0

Flammability Classification: Dangerous when exposed to heat or flames.

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

Unusual Fire or Explosion Hazards: None

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 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: None.

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: Amine sensitive individuals should not handle this material without special precautions to prevent skin and respiratory exposure.

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: Liquid	Water Solubility: Dispersable
Appearance and Odor: Amber liquid with an aromatic hydrocarbon odor	Other Solubilities: Not Available
Odor Threshold: Not Determined	Boiling Point: 300 ° F (148.9° C)
Vapor Pressure: 10.3 mm Hg at 100° F (37.8° C)	Freezing/Melting Point: < 5° F (< 20.6° C)
Vapor Density (Air=1): >1	Viscosity: Not Determined
Formula Weight: Mixture	Refractive Index: Not Determined
Density: 7.91 lb/gal	Surface Tension: Not Determined
Specific Gravity (H₂O=1, at 4 °C): 0.95	% Volatile: Not Determined
pH: 8-11	Evaporation Rate(BuAc=1): <0.1

Section 10 - Stability and Reactivity

Stability: KC168 is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong oxidizers.

Conditions to Avoid: Heat, sparks, open flames, strong oxidizers.

Hazardous Decomposition Products: Thermal oxidative decomposition of KC171 can produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Section 11- Toxicological Information

	Toxicity Data: *
Eye Effects: Vapors may cause eye irritation. Splashes may cause severe irritation.	Acute Inhalation Effects: Human, inhalation, TC _{LO} : Data not available
Skin Effects: Skin contact results in loss of natural oils and often results in a characteristic dermatitis. May be absorbed through the skin. May trigger an allergic response in amine sensitive individuals.	Acute Oral Effects: Rat, oral, LD ₅₀ : 13.3 jL/kg (solvent)
	Chronic Effects: No studies undertaken.
	Carcinogenicity: Not a listed carcinogen
	Mutagenicity: No Data
	Teratogenicity: No Data

* 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

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

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

Shipping Name: Combustible liquid, n.o.s (contains petroleum hydrocarbons)	Packaging Authorizations a) Exceptions: 173.150 b) Non-bulk Packaging: 173.203 c) Bulk Packaging: 173.241	Quantity Limitations a) Passenger, Aircraft, or Railcar: 60L b) Cargo Aircraft Only: 220L
Shipping Symbols: D		
Hazard Class: Combustible liquid		Vessel Stowage Requirements a) Vessel Stowage: A b) Other: None
ID No.: NA1993		
Packing Group: III		
Label: N/A		
Special Provisions (172.102): N/A		

Section 15 - Regulatory Information

EU REACH – NOT REGISTERED AND CANNOT BE EXPORTED INTO THE EU.

EPA Regulations:

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 (40 CFR 370) Codes: Acute Health (for solvent)
SARA 313 Toxic Chemical (40 CFR 372.65): Not listed
SARA 304 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:

Not listed.

Section 16 - Other Information

Prepared By: KMCO, LP

Revision Notes: All sections revised as part of conversion to 16 Section format.

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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