



**24 Hour Emergency Telephone
3E Company (800) 451-8346**

NOTE: 3E Company emergency number to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident. For routine questions or application information, please call Mid-West Solutions 219-661-8230

**MSDS Material Safety Data Sheet
B-9A Condensate Line Neutralizing Amine**

Revision Date: August 1, 2005

SECTION I - PRODUCT IDENTIFICATION

Product/Chemical Name: B-9A Condensate Line Neutralizing Amine
Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S, 8,(CYCLOHEXYLAMINE, MORPHOLINE), UN 3267, Packing Group III
Hazard Class: 8 (CORROSIVE)
Hazard ID#: UN 3267
Package Group: III
Completed by and Phone Number: Donald Carr (219) 661-8230

SECTION II - HAZARDOUS COMPONENTS

Hazardous Ingredient Name	CAS Number	% By Weight	OSHA PEL	ACGIH TLV
CYCLOHEXYLAMINE	108-91-8	5-7		41 Mg/M ³
MORPHOLINE	110-91-8	10-30	70 Mg/M ³	71 Mg/M ³

SECTION III - PHYSICAL DATA

Boiling Point (Degrees F): 264°F (WEIGHTED AVERAGE) Density: 1.01 g/cm³ at 25°C (77°F)
Evaporation Rate: NOT DETERMINED Percent Volatile: N/D
Vapor Pressure (mm Hg): NOT DETERMINED pH Neat: > 12
Vapor Density (Air= 1): NOT DETERMINED pH At 10%: NOT DETERMINED
Solubility In Water: SOLUBLE IN HOT AND COLD WATER
Appearance and Odor: CLEAR WATER WHITE LIQUID; AMINE LIKE ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 133° F CLOSED CUP LEL: N/D
HMIS and NFPA: HEALTH: 3 FIRE: 2 REACTIVITY: 1 UEL: N/D
Reactivity: 1
Extinguishing Media: PRODUCT CONTAINS WATER. IF WATER IS REMOVED, USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM
Special Fire Fighting Instructions: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE GEAR DURING FIRE FIGHTING

SECTION V - HEALTH HAZARD INFORMATION

CORROSIVE TO EYES AND SKIN. TOXIC IF SWALLOWED. COMBUSTIBLE. POTENTIAL SENSITIZER. TOXIC BY INHALATION OF MIST. TOXIC BY SKIN ABSORPTION.

Threshold Limit Value: SEE SECTION II.

Permissible Exposure Limit: SEE SECTION II.

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***** Acute Effects *****

Inhalation: MAY BE HARMFUL IF INHALED. DO NOT BREATHE MISTS OF THE UNDILUTED PRODUCT. EFFECTS WILL DEPEND UPON SOLUTION STRENGTH AND LENGTH OF TIME OF EXPOSURE.

Skin: MAY CAUSE CHEMICAL BURNS. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY BLISTERING

Eye: VERY HAZARDOUS IN CASE OF EYE CONTACT (IRRITANT, CORROSIVE). INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING

Ingestion: MAY CAUSE SEVER IRRITATION OR CHEMICAL BURNS OF MOUTH, THROAT AND STOMACH.

***** First Aid *****

Inhalation: REMOVE TO A SOURCE OF FRESH AIR. IF THE INDIVIDUAL EXPERIENCES NAUSEA, HEADACHE, DIZZINESS, HAS DIFFICULTY BREATHING OR IS CYANOTIC, CONSULT PHYSICIAN IMMEDIATELY

Skin: WASH WITH SOAP AND WATER. REPEAT. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

Eye: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH COPIOUS AMOUNTS OF WATER OR MILK. SLOWLY GIVE ONE TO TWO GLASSES OF WATER OR MILK. IF THE INDIVIDUAL IS SEMI-COMATOSE, COMATOSE OR CONVULSING DO NOT GIVE FLUIDS BY MOUTH. CONSULT PHYSICIAN IMMEDIATELY.

***** Medical Conditions Generally Aggravated By Exposure *****

PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

CHRONIC EXPOSURE MAY RESULT IN DAMAGE TO THE LIVER, KIDNEYS, AND LUNGS

SECTION VI - REACTIVITY DATA

Stability: STABLE UNDER NORMAL CONDITIONS OF USE AND STORAGE

Incompatibility (Materials to Avoid): STRONG ACIDS, STRONG OXIDIZERS AND MINERAL ACIDS. AVOID EXTREME HEAT

Hazardous Decomposition Products: THERMAL; OXIDES OF CARBON AND NITROGEN

SECTION VII - SPILL OR LEAK PROCEDURES

Spill, Leak or Release: BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS (E.G., SEWERS, STREAMS, LAKES, ETC.). RECOVER AS MUCH OF THE PURE PRODUCT AS POSSIBLE INTO POLY-DRUMS/CORROSION RESISTANT CONTAINERS. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY TO ABSORB ANY MATERIAL THAT CAN NOT READILY BE RECOVERED AS PURE PRODUCT. LATER, DETERMINE IF THIS RECOVERED PRODUCT CAN BE USED FOR ITS INTENDED PURPOSE. ADDRESS CLEAN-UP OF CONTAMINATED ENVIRONMENTS.

Waste Disposal: FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: REQUIRED IF THE EXPOSURE LIMITS IN SECTION II ARE EXCEEDED.

Ventilation: GENERAL MECHANICAL VENTILATION IS ADEQUATE.

Protective Clothing/Equipment: RUBBER GLOVES, IMPERMEABLE APRON AND SHOES ARE REQUIRED.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS FULL FACE SHIELD.

Other Protective Equipment: EYE-WASH AND SAFETY SHOWER.

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Comments: NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL.**SECTION IX - SPECIAL PRECAUTIONS**Storage and Handling Conditions: AVOID STORAGE NEAR STRONG OXIDIZERS OR ACIDS. KEEP AWAY FROM SOURCES OF IGNITION. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.**SECTION X - STATE LISTS**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY ABOVE NO SIGNIFICANT RISK LEVELS.**ADDITIONAL PRODUCT INFORMATION**

*** Carcinogens as Defined By ***

NTP : NONE
IARC: NONE
OSHA: NONE

*** Environmental Information ***

SARA Title III(Superfund Amendments and Reauthorization Act)

Cyclohexylamine - Reportable quantity is present in this product. Fire Hazard, Immediate (Acute) Health Hazard.

No components of this product are present above SARA 313 Toxic list de minimus levels.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

NONE

RCRA (Resource Conservation and Recovery Act) Listed Hazardous Waste

D002 (CORROSIVITY pH>12)

FDA (Food and Drug Administration) 21 CFR 173.310

THIS PRODUCT IS APPROVED FOR STEAM IN CONTACT WITH FOOD SUBJECT TO THE FOLLOWING LIMITATIONS: DO NOT FEED B-9A AT A RATE EXCEEDING 30 PPM IN BOILER FEED WATER (10 PPM OF EITHER AMINE IN THE STEAM). STEAM MAY NOT COME IN CONTACT WITH MILK OR MILK PRODUCTS.

TSCA (Toxic Substances Control Act) Applicability

ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

THIS PRODUCT IS NOT A REGISTERED PESTICIDE.

Other Information

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of our knowledge as of the date issued. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use are beyond our control, Mid-West solutions, Inc. makes no warranty, express or implied, regarding the accuracy of such data or its suitability for any purchaser's use or for any consequence of its use. The data in this MSDS relates only to the specific material designated here in and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser. Mid-West solutions, Inc. assumes no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.

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