

Mercury Chemical Corporation

MATERIAL SAFETY DATA

SECTION 1: PRODUCT IDENTIFICATION

Material Name (Trade Name): MercoQuest 90
Product Code #

Manufacturer: Mercury Chemical Corporation

Chemical Name: Blended Product

Chemical Family: Sequestering Agent

Emergency Telephone Numbers: (336)226-9152

MSDS Number: 001
Effective Date: 01/16/03
Revision #: 01

SECTION 2: INGREDIENTS

<u>Material/CAS</u>	<u>%</u>	<u>Health Hazard Data</u>
Ethylenediaminetetraacetic acid t 64-002-8	~ 39%	
Sodium Hydroxide 1310-73-2	>1%	Corrosive, OSHA PEL 2mg/m3 ACGIH TLV 2 mg/m3
Trisodium nitrilotriacetate 005064-31-3	>1%	

EMERGENCY PHONE: (336)226-9152
Mercury Chemical Corporation - P. O. Box 2773 - Burlington, NC 27216

SECTION 3: PHYSICAL DATA

Boiling Point: 212 deg. F
Solubility in Water: Soluble
Vapor Pressure: N/A
Vapor Density: N/A
% Volatile by Weight: Not determined
pH: (_Neat_) : 11-11.8
Appearance/Odor: Yellow, odorless

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (F): > 212 deg. F. (Non-flammable)
Flammable Limits (%): Not known
Extinguishing Media: Use water, dry extinguishing media, carbon dioxide or foam

Special Firefighting Procedures:

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Use water spray to cool drums exposed to fire.

Unusual Fire and Explosion Hazards: None known

SECTION 5: HEALTH HAZARD INFORMATION/FIRST AID

Toxicology: No components are listed as carcinogens

Exposure Standards: None known

Signs and Symptoms of Exposure:

Contact with the eyes causes irritation and redness. Ingestion may cause headache, nausea and/or vomiting. Contact with skin may cause redness and irritation.

Repeated and/or prolonged exposure to low concentration of vapor may cause sore throat, eye irritation, nausea, faintness and/or headache.

Repeated and/or prolonged exposure at low levels may result in: NONE KNOWN

FIRST AID

Eye Contact:

Immediately flush eyes with copious quantities of water for a minimum of fifteen (15) minutes. Use fingers to separate eyelids to assure that the eyes are being irrigated. Call a physician.

Skin Contact:

Wash exposed skin with copious quantities of soapy water. Remove all contaminated clothing and wash before re-use.

Inhalation:

There has been no clinical experience with overexposure via the respiratory route. If such exposure should occur, remove patient to fresh air. If breathing is impaired, assisted respiration (mouth to mouth) may be indicated. Supplemental oxygen may be indicated. Seek medical advice.

Ingestion:

If swallowed, call a physician immediately. Do not induce vomiting. Remove stomach contents by gastric suction only as directed by medical personnel. Give 1-2 glasses of water to dilute. Never give anything by mouth to an unconscious person.

SECTION 6: REACTIVITY DATA

Stability: Generally stable

Conditions to Avoid: Keep away from heat and flames

Incompatibility (Materials to Avoid): Aluminium

Hazardous Decomposition or By-Products: Toxic fumes of nitrogen and sulfur. Toxic oxides of carbon.

Hazardous Polymerization: Does not occur.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

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

Stop the leak if possible. Absorb on non-reactive absorbent and collect in containers. Shut off or remove all ignition sources. Avoid skin contact. Wear protective clothing.

Waste Disposal Method:

Dispose in approved landfill. Comply with all federal, state and local regulations.

Precautions to be taken when handling and storing:

Keep away from oxidizers, heat or flames. Keep in a cool, dry ventilated storage and in closed containers. Do not store in aluminium containers. Avoid contact with skin or eyes.

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Keep container closed. Avoid prolonged breathing of vapors or mists. In poorly ventilated areas, masks of the cartridge type, National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors are recommended. Generally, respiratory protection is unnecessary provided there is adequate ventilation.

Eye Protection:

Chemical safety goggles to be used when working with mists, dust or liquids.

Other Protective Clothing and Equipment:

**Eye wash stations readily accessible
Safety shower
Long sleeved clothing**

Work and Hygienic Practices:

Wash at the end of each workshift and before eating, smoking or using the toilet. Change work clothing daily before leaving the work place.

SECTION 9: SPECIAL PRECAUTIONS & HANDLING INFORMATION

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Keep container closed.

SECTION 10: REGULATORY INFORMATION

Federal EPA

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires notification to the National Response Center for release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
Sodium Hydroxide	001310-73-2	>1

SARA Title III: Superfund Amendments and Reauthorization Act of 1986 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
Sodium Hydroxide	001310-73-2	>1

SARA Title III: Superfund Amendments and Reauthorization Act of 1986 requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on reportable quantities (RQs) in 40 CFR 355.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
Sodium Hydroxide	001310-73-2	>1

TSCA: Toxic Substances Control Act status: The ingredients of this product are on the TSCA inventory.

State Right-To-Know

CALIFORNIA Proposition 65 (reportable materials): NONE

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
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MASSACHUSETTS Right-To-Know, Substance Inventory (MSL) lists hazardous substances and extraordinarily hazardous substances which must be identified when present in products. (>+=0.0001%)

Components present in this product at a level which could require reporting under this statute are:

Extraordinarily Hazardous Substances

<u>Material</u>	<u>CAS#</u>	<u>Concentration</u>
Sodium Hydroxide	001310-73-2	>1

Other Hazardous Substances

<u>Material</u>	<u>CAS#</u>	<u>Concentration</u>
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PENNSYLVANIA Right-To-Know, Hazardous Substances Inventory lists hazardous substances and special hazardous substances which must be identified when present in products.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
Sodium Hydroxide	001310-73-2	>1

NEW JERSEY Worker and Community Right-To-Know Act Hazardous Substance Inventory lists hazardous components present in this product which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
Sodium Hydroxide	001310-73-2	>1

SECTION 11: TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Chelate

DOT Exceptions and Additional Labels Required: None

Other Labeling Information: None

Reportable Quantity: N/A

Freight Class: 55

The information contained herein is based on the data available to us and is believed to be correct. However, Mercury Chemical Corporation makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Mercury Chemical Corporation assumes no responsibility for injury from the use of the product described herein.
