

CATERPILLAR LIQUID

MSDS Number

BJCPK

National Stock Number

6850-00F012530

Product Name

CATERPILLAR LIQUID

Manufacturer

NALCO CHEMICAL COMPANY

Product Identification

Product ID: CATERPILLAR LIQUID

MSDS Date: 11/14/1988

FSC: 6850

NIIN: 00F012530

MSDS Number: BJCPK

Responsible Party

NALCO CHEMICAL COMPANY

ONE NALCO CENTER

NAPERVILLE, IL 60566

Emergency Phone: (312) 920-1510

Info Phone: (312) 920-1510

Preparer: JOHN J. KASPER

Cage: 89524

Contractor

ONDEO NALCO COMPANY

NAPERVILLE, IL 60563-1198

US

(630) 305-1000

Cage: 89524

Ingredients

SODIUM NITRITE (SARA III)

CAS: 7632-00-0

RTECS: RA1225000

Fraction By Weight: 1-5%

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

SODIUM MERCAPTOBENZOTHAZOLE

CAS: 2492-26-4

RTECS: DL6825000

Fraction By Weight: 1-5%

SODIUM TETRABORATE, ANHYDROUS

CAS: 1330-43-4

RTECS: VZ2240000

Fraction By Weight: 1-5%

OSHA PEL10 MG/M3

ACGIH TLV: 1 MG/M3; 9192

Hazards

LD50 LC50 Mixture:ORAL RAT LD50: 3,362 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INGESTION: MAY CAUSE BLOOD SYSTEM DISORDERS, KIDNEY DAMAGE, METHAEMOGLOBINAEMIA, CYANOSIS, DROP OF BLOOD PRESSURE, RAPID PULSE, HARMFUL, FATAL, DEATH. INHALATION: CENTRAL NERVOUS SYSTEM EFFECTS, HEADACHES, TREMORS, DROWSINESS & CONVULSIONS. EYES: VISUAL DISTURBANCES & TRANSIENT IRRITATION. SKIN: TRANSIENT IRRITATION.

Explanation of Carcinogenicity:N-NITROSAMINES ARE CANCER CAUSING AGENTS.

Effects of Overexposure:INGESTION: MAY CAUSE BLOOD SYSTEM DISORDERS, KIDNEY DAMAGE, METHAEMOGLOBINAEMIA, CYANOSIS, DROP OF BLOOD PRESSURE, RAPID PULSE, HARMFUL, FATAL, & DEATH. INHALATION: CENTRAL NERVOUS SYSTEM EFFECTS, HEADACHES, TREMORS, DROWSINESS, & CONVULSIONS. EYES: VISUAL DISTURBANCE & TRANSIENT IRRITATION. SKIN: TRANSIENT IRRITATION.

First Aid

First Aid:EYES/SKIN: FLUSH W/WATER FOR 15 MIN. CALL PHYSICIAN.

INGESTION: INDUCE VOMITING. GIVE WATER. CALL PHYSICIAN. IF UNCONSCIOUS, HAVING TROUBLE BREATHING & IN CONVULSIONS, DON'T INDUCE VOMITING OR GIVE WATER.

Fire Fighting

Flash Point:NONE

Unusual Fire/Explosion Hazard:MAY EVOLVE NOX UNDER FIRE CONDITIONS.

Accidental Release

Spill Release Procedures:SMALL SPILL: CONTAIN W/ABSORBENT MATERIAL/CLAY/SOIL/COMMERCIALY AVAILABLE ABSORBENT. SHOVEL RECLAIMED LIQUID/ABSORBENT INTO RECOVERY/SALVAGE DRUMS FOR DISPOSAL. LARGE SPILL: DIKE/RECLAIM INTO RECOVERY/SALVAGE DRUMS/TANK TRUCK FOR DISPOSAL.

Handling

Handling and Storage Precautions:DON'T TAKE INTERNALLY. AVOID CONTACT W/EYES & SKIN. DON'T REUSE CONTAINER UNLESS PROPERLY RECONDITIONED.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN RESIDUAL PRODUCT. DON'T BREATHE SMOKE OR FUMES.

Exposure Controls

Respiratory Protection:PRESSURE-DEMAND, SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR LARGE SPILLS. RESPIRATORY PROTECTION ISN'T NORMALLY NEEDED SINCE THE VOLATILITY/TOXICITY ARE LOW.

Ventilation:GENERAL VENTILATION IS RECOMMENDED.

Protective Gloves:IMPERMEABLE

Eye Protection:CHEMICAL SPLASH GOGGLES

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

Chemical Properties

Boiling Pt:B.P. Text:212F

Spec Gravity:1.13

pH:11.8

Solubility in Water:COMPLETE

Appearance and Odor:RED, ODORLESS LIQUID.

Stability

Stability Indicator/Materials to Avoid:YES
SULFURIC/PHOSPHORIC/NITRIC/HYDROCHLORIC/CHROMIC/SULFONIC ACIDS/TOXIC
FUMES/N-NITROSAMINES/ORGANIC/INORGANIC NITRATES
Stability Condition to Avoid:HEAT, SPLATTERING
Hazardous Decomposition Products:CO, CO2, NOX, SODIUM NITRITE, TOXIC
FUMES

Disposal

Waste Disposal Methods:IF PRODUCT BECOMES A WASTE, IT DOESN'T MEET THE
CRITERIA OF HAZARDOUS WASTE. AS NON-HAZARDOUS LIQUID WASTE, IT
SHOULD BE SOLIDIFIED BEFORE DISPOSAL TO A SANITARY LANDFILL. CAN BE
DEEP-WELL INJECTED IN ACCORDANCE W/LOCAL, STATE, & FEDERAL
REGULATIONS.

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