

CONTINENTAL CHEM CORP -- O-A-451,TYPE I,AMMONIUM HYDROXIDE,TECHNICAL --
6810-00-817-9929

===== Product Identification =====

Product ID:O-A-451,TYPE I,AMMONIUM HYDROXIDE,TECHNICAL

MSDS Date:10/18/1993

FSC:6810

NIIN:00-817-9929

MSDS Number: BRSTT

=== Responsible Party ===

Company Name:CONTINENTAL CHEM CORP

Address:1330 BEECH STREET

City:TERRE HAUTE

State:IN

ZIP:47808

Country:US

Info Phone Num:812-23

5-8035

Emergency Phone Num:812-235-8035

Preparer's Name:DGSC-SSH

CAGE:23894

=== Contractor Identification ===

Company Name:CONTINENTAL CHEM CORP

Address:1330 BEECH STREET

Box:City:TERRE HAUTE

State:IN

Country:US

CAGE:23894

===== Composition/Information on Ingredients =====

Ingred Name:AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

RTECS #:BQ9625000

Fraction by Wt: 29.4%

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 7

0.6%

=====
===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:SEVERE IRRITANT.MAY CAUSE
PERMANENT OR SEVERE DAMAGE.SKIN:SEVERE IRRITANT.INHAL:HIGHLY
IRRITATING TO THE THROAT AND LUNGS.INGEST:CAUSES SEVERE BURNS TO
THE MOUTH,THROAT AND STOMACH,POSSIBLY CAUSI NG DEATH FROM SHOCK AND
ASPHYXIA.POSSIBLE LUNG DAMAGE IF VOMITED
AFTER
SWALLOWING.SKIN:SEVERE IRRITANT.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:EYES:TEARING,BLURRED
VISION.SKIN:BURNS.INHAL:COUGHING,DISCOMFORT,DIFFICULT
BREATHING,DYSPNEA,CHEST PAIN,PINK FROTHY
SPUTUM.INGEST:NAUSEA,VOMITING,DIARRHEA ...SHOCK,ASPHYXIA.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EX
POSURE.

=====
===== First Aid Measures =====

First Aid:SKIN:FLUSH WITH WATER FOR 15 MINUTES.CALL
PHYSICIAN.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL
PHYSICIAN.INGEST:DO NOT INDUCE VOMITING.GIVE WATER;THEN ORANGE OR
LEMON JUICE;THEN EGG WHITES,OLIVE OIL OR MILK.CALL
PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL
RESPIRATION IF NEEDED.CALL PHYSICIAN.

=====
===== Fire Fighting Measures =====

Flash Po
int:NONE
Lower Limits:16
Upper Limits:25
Extinguishing Media:WATER SPRAY
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER
SPRAY.
Unusual Fire/Explosion Hazard:OIL OR OTHER COMBUSTIBLES MAY INCREASE
FIRE HAZARD.

=====
===== Accidental Release Measures =====

Spill Release Procedures:AVOID BREATHING VAPOR OR CONTACT WITH SKIN &
EYES.FLUSH WITH LARGE AMOUNTS OF WATER.ABSORB

IF POSSIBLE;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.CLEAN SPILL AREA BEFORE READMITTING PERSONNEL.

Neutralizing Agent:WEAK ACID(EG.VINEGAR).

=====
===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM HEAT.DO NOT PRESSUREIZE DRUMS OR CARBOYS.

Other Precautions:AVOID UNCONTROLLED MIXING WITH HALOGENS OR ACIDS.AVOID USE OF PIPES,VALVES & FITTINGS OF COPPER,COPPER ALLOYS,OR GALVANIZED COATINGS.

=====
===== Exp
osure Controls/Personal Protection =====

Respiratory Protection:BELOW 3%-USE AMMONIA GAS MASK;ABOVE 3%-USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:SAFETY SHOWER & EYE WASH

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

MFR DOES NOT ANSWER THE TELEPHONE.HMIS LEFT SEVERAL MESSAGES SINCE 93229;NONE WERE ANSWERED.

=====
===== Physical/Chemical Properties =====

HCC:B1

Boiling Pt:B.P. Text:85.6F,29.8C

Melt/Freeze Pt:M.P/F.P Text:-107F,-77C

Vapor Pres:2.3

Spec Gravity:0.8974

pH:11

Solubility in Water:APPRECIABLE

Appearance and Odor:COLORLESS LIQUID,PUNGENT ODOR

Percent Volatiles by Volume:29.4

=====
===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:NO

ACIDS

Stability Condition to Avoid:APPLICATIONS OF HEAT RELEASES AMMONIA GAS.

Hazardous Decomposition Products:AMMONIA GAS

===== Disposal Considerations =====

Waste Disposal Methods:FLUSH WITH LARGE AMOUNT OF WATER.PLACE ANY
ABSORBED MATERIAL IN CONTAINERS SUITABLE FOR SHIPMENT TO DISPOSAL
AREA.DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL
REGULATIONS.

Disclaimer (provided

with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.