

VIRGINIA CHEMICALS,INC. -- CYCLOHEXYLAMINE (98%) -- 6810-00-805-9798

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

Product ID:CYCLOHEXYLAMINE (98%)

MSDS Date:03/01/1986

FSC:6810

NIIN:00-805-9798

MSDS Number: BFQDX

=== Responsible Party ===

Company Name:VIRGINIA CHEMICALS,INC.

Address:801 WATER ST.

City:PORTSMOUTH

State:VA

ZIP:23704

Info Phone Num:804-393-3100

Emergency Phone Num:804-484-5000

CAGE:87698

==

= Contractor Identification ===

Company Name:HOCKING INTERNATIONAL CHEMICAL CORP

Address:2121 HOOVER AVE

Box:City:NATIONAL CITY

State:CA

ZIP:92050

Country:US

Phone:619-474-8457

CAGE:60930

Company Name:PHIPPS PRODUCTS CORP

Address:186 LINCOLN ST SUITE 502

Box:City:BOSTON

State:MA

ZIP:02111-2403

Country:US

Phone:OUT OF BUSINESS

CAGE:86511

Company Name:VIRGINIA CHEMICALS INC

Address:801 WATER ST

Box:City:PORTSMOUTH

State:VA

ZIP:23704

Country:US

Phone:804-893-3247

CAGE:87698

=====
Composit

ion/Information on Ingredients =====

Ingred Name:CYCLOHEXYLAMINE (SARA III)

CAS:108-91-8

RTECS #:GX0700000

Fraction by Wt: 98.0%

OSHA PEL:10 PPM

ACGIH TLV:10 PPM; 9192

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

LD50 LC50 Mixture:ORAL-RAT LD50 156MG/KG*SKN-RBT LD50 320

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

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

Health Hazards Acute and Chronic:PRODUCT IS MODERATELY TOXIC. MAY CAUSE SEVERE

CHEMICAL IRRITATION/CORROSION. MFR GIVE VERY LITTLE SPECIFIC INFORMATION,EXCEPT FOR CORROSIVITY.

Effects of Overexposure:MFR LISTS ONLY MILD TO SEVERE IRRITATION OF BODY TISSUES AS SYMPTOMS.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:EYES:FLUSH WITH WATER. GET MEDICAL ATTENTION. SKIN:FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING. INHALED:REMOVE FROM EXPOSURE. GET IMMEDIATE MEDICAL ATTENTION. IN

GESTED:DO NOT INDUCE VOMITING.

GIVE QUANTITIES OF VEGETABLE OIL,MILK OR WATER. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:83F/28C SEE SUPP

Extinguishing Media:ALCOHOL TYPE FOAM, CARBON DIOXIDE, WATER FOG

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS. WATER DILUTION WILL REDUCE FLAME INTENSITY. COVER ALL SPILLS WITH FOAM TO REDUCE VAPORS.

Unusual Fire/Explosion Hazar

d:CLOSED CONTAINERS MAY RUPTURE UNDER FIRE
CONDITIONS.

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

Spill Release Procedures:CONTAIN SPILL,ELIMINATE IGNITION SOURCES.
PREVENT SPILL FROM ENTERING GROUND OR SURFACE WATERS. COLLECT OR
ABSORB AND STORE SEPARATELY IN CLOSED CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN CLOSED LEAK PROOF STAINLESS

OR CARBON STEEL CONTAINERS. SEGREGATE FROM ACIDS & OXIDIZERS. STORE
AWAY FROM IGNITION SOURCES.

Other Precautions:INDOOR STORAGE SHOULD BE IN A STANDARD FLAMMABLE
LIQUIDS STORAGE ROOM.WEAR BUTYL RUBBER GLOVES,FACE SHIELD,ALL
PURPOSE CANISTER MASK,WORK CLOTHING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:GAS MASK SUITABLE FOR AMMONIA VAPORS OR SELF
CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW
TLV.

Protective Gloves:NEOPRENE OR OTHER IMPERVIOUS

Eye Protection:SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING, SAFETY SHOWER, EYE
WASH, EXPLOSION PROOF ELECTRICAL EQUIPMENT.

Work Hygienic Practices:USE VERY STRICT CHEMICAL HYGIENE PROCEDURES.

Supplemental Safety and Health

DISTRIBUTOR SUPPLIED A COPY OF MFR'S 1985 MSDS. DATA IS FROM MORE
RECENT MSDS OF SAME MFR, DIFFERENT NSN.

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

HCC:F7

Boiling Pt:B.P. Text:275F/134C

Melt/Freeze Pt:M.P/F.P Text:1F/-17C

Vapor Pres:10MM@20C

Spec Gravity:0.8647

Solubility in Water:100%

Appearance and Odor:LIQUID,STRONG FISHY ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACIDS,OXIDIZING AGENTS.

Stability Condition to Avoid:HEATED SURFACES, IGNITION SOURCES, OPEN
FLAMES. AUTO IGNITION TEMP OF PURE COMPOUND IS 293C

Hazardous Decomposition Produ

cts:NOX AND CO

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.
MFR SUGGESTS INCINERATION.

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 us

e. 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.