

NATIONAL CHEMSEARCH DIV -- AR-19, 0085 -- 8030-01-046-4475

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

Product ID:AR-19, 0085
MSDS Date:11/11/1987
FSC:8030
NIIN:01-046-4475
MSDS Number: BLWCW
=== Responsible Party ===
Company Name:NATIONAL CHEMSEARCH DIV
Box:152170
City:IRVING
State:TX
ZIP:75015
Country:US
Info Phone Num:214-438-4144
Emergency Phone Num:214-438-4144
Preparer's Name:MARK COHEN
CAGE:DO481

==
= Contractor Identification ===
Company Name:NATIONAL CHEMSEARCH DIV OF NCH CORP
Address:2727 CHEMSEARCH BLVD
Box:152170
City:IRVING
State:TX
ZIP:75015-5000
Country:US
Phone:972-438-1381
CAGE:DO481
Company Name:NCH CORP
Address:2727 CHEMSEARCH BLVD
Box:152170
City:IRVING
State:TX
ZIP:75015-2170
Country:US
Phone:972-438-0563
CAGE:20913

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

Ingred Name:ISOPROPYL ALCOHOL; (ISOPROPANOL)
CAS:67-63-0
RTECS #:NT8050000
OSHA PEL:400 PPM;

500 PPM STEL

ACGIH TLV:400 PPM;500 PPM STEL

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:EXPOSURE TO LOW CONCENTRATIONS OF MIXTURE MAY RESULT IN MILD IRRITATION TO EYE/SKIN TISSUE.

CHRONIC:PRLNGD CONTACT CAN CAUSE APPRECIABLE IRRITATION TO EYES, LEADING TO CORNEA

L OPACITY IN SEPARAT ED SEVERE EXPOS.

INGESTION/INHALATION OF LARGE QUANTITIES OF VAPOR MAY CAUSE FLUSHING, HEADACHE, (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:DIZZINESS, MENTAL DEPRESSION, NAUSEA, VOMITING, NARCOSIS, ANESTHESIA, COMA. 100ML CAN BE FATAL.

Medical Cond Aggravated by Exposure:PERSONS W/SKIN CONDITIONS CAN BE AGGRAVATED BY EXPOSURE.

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

First A

id:INHAL:REMOVE FROM AREA TO FRESH AIR. GET MD IF IRRIT PERSISTS. EYE:GET MD IMMED. FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN HOLDING LIDS APART TO ENSURE FLUSHING OF ENTIRE EYE SURF. SKIN:WASH OFF W/P LENTY OF WATER. APPLY EMOLLIENT RICH CREAM IF IRRIT PERSISTS. INGEST:DO NOT INDUCE VOMIT. GIVE LG QTYS OF WATER. IF AVAIL, GIVE SEVERAL GLASSES OF CITRUS JUICE. NEVER GIVE ANYTHING BY MOUTH(SUPP DATA)

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

Flash Point Method:TOC

Flash Point:78.0F,25.6C

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES.

Unusual Fire/Explosion Hazard:WARNING:FLAMMABLE. KEEP AWAY FROM, SPARKS & OPEN FLAME.

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

Spill Release Procedures:SML:TAKE UP W/ABSORB MATL & PLACE IN NON-LEAKING CNTNRS SEALED TIGHT

FOR PROPER DISP. LG:WARNING, FLAMM.

EVACUATE HAZ AREA OF UNPROTECTED PERS. WEAR APPROP NIOSH/MSHA APPRVD RESP & PROT CLTHG. SHUT OF F SOURCE OF LEAK IF SAFE TO DO SO. (SUPP DATA)

Neutralizing Agent:LARGE AMOUNTS OF WATER.

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

Handling and Storage Precautions:KEEP IN COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING PRODUCT. STORAGE TEMP:120F-MAX; 32F-MIN;STORE INDOORS/OUTDOORS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF EXPOSURE MAY/DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH/MSHA APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. USE EITHER A FULL-FACE ATMOSPHERE-SUPPLYING RESPIRATOR OR AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:AREAS OF USE W/ADEQUATE VENTILATIONS SHOULD BE SUFFICIENT IN USE AS A GLASS CLEANER.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRST AID PROC:TO UNCONSCIOUS PERSON. GET MD IMMEDIATELY. SPILL PROC:CONTAIN SPILL. PUMP TO STORAGE VESSEL. FLUSH AREA.

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

Boiling Pt:B.P. Text:175F,79C

Vapor Pres:25

Vapor Density:2

Spec Gravity:0.955

pH:6

Evaporation Rate & Reference:1.6 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

COMPLETE

Appearance and Odor:TRANSPARENT, MILKY WHITE COLOR W/ISOPROPANOL ODOR.

Percent Volatiles by Volume:96

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:KEEP AWAY FROM HEAT AND OPEN FLAME.

Hazardous Decomposition Products:CO POSSIBLE

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS CONCERNING HEALTH

POLLUTION. USE NON-LEAKING
CONTAINERS.

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 t
his information to their
particular situation.