

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

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= 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
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.

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