

FISHER SCIENTIFIC,CHEM DIV.(FOR ACROS ORGANICS) -- 12763-0010
1-METHYL-2-PYRROLIDIMONE -- 6810-01-448-9240

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

Product ID:12763-0010 1-METHYL-2-PYRROLIDIMONE

MSDS Date:03/07/1995

FSC:6810

NIIN:01-448-9240

MSDS Number: CFMXL

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC,CHEM DIV.(FOR ACROS ORGANICS)

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:N-METHYLPYRROLIDONE

CAS:872-50-4

RTECS #:UY5790000

Other REC Limits:NONE RECOMMENDED

=====

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

LD50 LC50 Mixture:ORAL, RAT LD50 3914MG/KG

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

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

Health Hazards Acute and Chronic:EYE:MAY CAUSE IRRIT/INJURY.SKIN:MAY

CAUSE IRRIT.PROL &/OR REP CONTACT MAY CAUSE IRRIT &/OR DERM.MAY BE
ABSORBED THROUGH SKIN.INGEST:MAY CAUSE IRRIT OF DIGESTIVE TRACT.MAY
CAUSE DIARR & BREATHING DIFFI CULTY.INHAL:VAP MAY CAUSE RESP TRACT
IRRIT.

CHRONIC:PROL/REP EXPO MAY CAUSE ADVERSE REPRODUCTIVE EFFECTS.

Explanation of Carcinogenicity:PER MSDS:NOT LISTED BY

ACGIH,IARC,NIOSH,NTP,OSHA.NO COMPONENTS LISTED BY
ACGIH,IARC,NIOSH,NTP,OSHA.

Effects of Overexposure:EYE IRRIT & INJURY, SKIN IRRIT, DERMATITIS, MAY
BE ABSORBED THROUGH SKIN, IRRIT DIGESTIVE TRACT, DIARRHEA,
BREATHING DIFFICULTY, RESP TRACT IRRIT, ADVERSE REPRODUCTIVE
EFFECTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====

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

First Aid:EYE:FLUSH W/PLENTY OF H2O FOR @LEAST 15MINS OCCASIONALLY LIFT
EYELIDS.GET MED AID IMMED.SKIN:FLUSH W/PLENTY OF SOAP/H2O FOR
@LEAST 15MINS WHILE REMOVE CONTAM CLOTH/SHOES.IRRIT DVLPS/PERSIST
GET MED AI D.INGEST:CONSC/ALERT GIVE 2-4CUP OF MILK/WATER.GET MED
AID IMMED.INHAL:GET MED AID IMMED.REMOVE FRM EXPO TO FRESH AIR
IMMED.NOT BREATH GIVE ART RESP;DIFFI GIVE OXY.DR:TREAT
SYMPT/SUPP.NO SPEC ANTIDOTE

=====

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

Flash Point:187F,86C

Autoignition Temp:Autoignition Temp Text:655F

Lower Limits:1.3

Upper Limits:9.5

Extinguishing Media:SM FIRES:USE DRY CHEMICAL,CARBON DIOXIDE,WATER
SPRAY OR ALCOHOL-RESIST FOAM.

Fire Fighting Procedures:AS IN ANY FIRE WEAR SELF-CONTAINED BREATHING
APPARATUS IN PRESSURE-DEMAND MSHA/NIOSH(APPROV/EQUIV)& FULL
PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQ.CAN FORM EXPLO MIXTURES
@TEMPS AB
OVE FLASHPT.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE EQPMT AS
INDICATED IN MSDS.ABSORB W/INERT MATL(E.G.DRY SAND,EARTH).PLACE
INTO CHEM WASTE CONTAINERS.WASH AREA W/SOAP/WATER.WEAR
SELF-CONTAINED BREATHING APPARATUS & APPR OPRIATE PERSONAL
PROTECTION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Prec

autions:USE W/ADEQUATE VENTILATION.DONT GET ON
SKIN/IN EYES.DONT INGEST/INHALE.STORE IN TIGHTLY CLSD CNTNR.STORE
IN COOL DRY WELL VENTI AREA AWAY FRM INCOMPA
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN
29CFR1910.134.ALWAYS USE NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE GEN/LOC EXHAU VENTI TO KEEP AIRBORNE CONCEN
BEL

OW PERMISSIBLE EXP LIMITS.

Protective Gloves:PROTECTIVE GLOVES

Eye Protection:EYEGLASS,CHEM SAF GOGG PER 29CFR1910.133

Other Protective Equipment:PROTECTIVE CLOTHING TO PREVENT SKIN
EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HNDLG.REMOVE COTNAM
CLOTH;WASH BEF REUSE.

Supplemental Safety and Health

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

HCC:V4

Boiling Pt:B.P. Text:396F,202C

Melt/Freeze Pt:M.P/F.P Text:-11F,-24C

Decomp Temp:Decomp Text:N/AVAI

Vap

or Pres:0.3

Vapor Density:3.4

Spec Gravity:1.028

pH:7.7-8

Viscosity:1.67MPA @20C

Evaporation Rate & Reference:0.03, BUTYL ACETATE=1

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID, W/MILD,AMINE-LIKE ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS,STRONG OXIDIZING & REDUCING AGENTS.

Stability Condition to Avoid:INCOMPATIBLE MATERIALS, CON

TACT W/WATER.

Hazardous Decomposition Products:NITROGEN OXIDES, CARBON MONOXIDE,
CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN MANNER CONSISTENT W/LOCAL, STATE
AND FEDERAL REGULATIONS.NOT LISTED AS MATL BANNED FROM LAND
DISPOSAL ACCORDING TO RCRA.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The Un
ited 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.