

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

C

ountry: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

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==== 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.C

HRONIC: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.

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==== 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

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===== 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 ABO

VE 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 Precautions:

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 BELOW

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/A

Vapo

r 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, CONT  
ACT 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.

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