

E M SCIENCE DIV OF E M INDUSTRIES INC -- PX1815;1816;1824/B;N-PROPYL ALCOHOL --
6810-01-119-7846

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

Product ID:PX1815;1816;1824/B;N-PROPYL ALCOHOL

MSDS Date:03/01/1991

FSC:6810

NIIN:01-119-7846

MSDS Number: BJNPV

=== Responsible Party ===

Company Name:E M SCIENCE DIV OF E M INDUSTRIES INC

Address:400 DEMOCRAT RDD

Box:70

City:GIBBSTOWN

State:NJ

ZIP:08027-0070

Country

:US

Info Phone Num:800-222-0342/609-423-6300

Emergency Phone Num:800-222-0342//800-424-9300(CHEMTRE)

CAGE:63612

=== Contractor Identification ===

Company Name:E M SCIENCE DIV OF E M INDUSTRIES INC

Address:480 DEMOCRAT ROAD

Box:70

City:GIBBSTOWN

State:NJ

ZIP:08027

Country:US

Phone:800-222-0342/609-423-6300

CAGE:63612

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

Ingred Name:N-PROPYL ALCOHOL

CAS:71-23-8

RTECS #:UH8225000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMEND

ED
OSHA PEL:200 PPM
ACGIH TLV:S,200PPM/250STEL; 95

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

LD50 LC50 Mixture:LD50 RAT ORAL 1870 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF
OVEREXPOSURE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES:VAPOR IRRITATING.SKIN:N/K
.INGESTION/INHALATION:HEADACHE,NAUSEA,DIZZINESS,INCOO
RDINATION.VAPO
R IRRITATING TO NOSE AND THROAT.NARCOTIC AT HIGH CONCENTRATIONS.
Medical Cond Aggravated by Exposure:DATA NOT AVAILABLE.

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

First Aid:GET MEDICAL ASSISTANCE FOR ALL CASES OF
OVEREXPOSURE.EYES:IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT
LEAST 15 MINUTES.SKIN:WASH THOROUGHLY WITH SOAP AND
WATER.INGESTION:IF CONSCIOUS,INDUCE VOMITIN G.INHALATION:MOVE TO
FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF
BREATHING HAS STOPPED.

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

Flash Point Method:TCC
Flash Point:74.0F,23.3C
Lower Limits:2.1
Upper Limits:13.7
Extinguishing Media:WATER SPRAY,DRY CHEMICAL,CARBON DIOXIDE,FOAM.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL
DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.

===== Acciden

tal Release Measures =====

Spill Release Procedures:ELIMINATE IGNITION SOURCES.COLLECT ON ABSORBENT.FLUSH AREA WITH WATER.

Neutralizing Agent:N/K

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED.STORE IN A COOL,WELL-VENTILATED AREA AWAY FROM IGNITION SOURCES AND OXIDIZERS.DO NOT BREATHE VAPOR.DO NOT GET IN EYES.

Other Precautions:AVOID SKIN CONTACT.ELECTRICALLY GROUND ALL EQUIPMENT WHEN HA

NDLING THIS PRODUCT.RETAINED RESIDUE MAY MAKE EMPTY CONTAINERS HAZARDOUS.USE CAUTION!

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

Respiratory Protection:MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.

Ventilation:MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.

Protective Gloves:NEOPRENE,NITRILE OR EQUIVALENT.

Eye Protection:CHEM. SAFETY GOGGLES,(FACE SHIELD REQU

.)

Other Protective Equipment:EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.DO NOT TAKE INTERNALLY.

Supplemental Safety and Health

MFR DIV:(BIONETICS CORP OF CINCINNATI,OH).LDLO:HUMAN ORAL 5700

MG/KG.ROUTES OF ENTRY:INGESTION/INHALATION .SKIN CONTACT (MFR).

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

HCC:F3

Boiling Pt:B.P. Text:207F,97C

Melt/Freeze Pt:M.P/F.P Text:-197F,-127C

Vapor Pres:15

Vapor Density:2.1

Spec Gravity:0.804

Evaporation Rate & Reference:1.3 (N-BUTYL ACETATE=1)

Solubility in Water:MISCIBLE

Appearance and Odor:LIQUID;;CLEAR,COLORLESS;ALCOHOLIC ODOR.

Percent Volatiles by Volume:>99

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.

Hazardous Decomposition Products:-CO*X.

Conditions to Avoid Polymerization:DATA NOT AVA

ILABLE.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH
FEDERAL, STATE AND LOCAL REGULATIONS.COORDINATION WITH SUPPORTING
INSTALLATION AND/OR MACOM ENVIRONMENTAL COORDINATION PRIOR TO
DISPOSAL IS RECOMMENDED TO DETERMINE APPROPRIATE DISPOSAL METHODS

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