View NSN Online: https://aerobasegroup.com/nsn/8030-01-069-3046

NATIONAL STARCH & CHEMICAL COMPANY; PERMABOND -- PERMA-LOK (R) LM 113 P/N 78-4311 -- 8030-01-069-3046

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

Product ID:PERMA-LOK (R) LM 113 P/N 78-4311

MSDS Date:12/31/1991

FSC:8030

NIIN:01-069-3046

MSDS Number: BSHMK === Responsible Party ===

Company Name: NATIONAL STARCH & CHEMICAL COMPANY; PERMABOND

Address:FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ ZIP:08807

С

ountry:US

Info Phone Num:908-685-5800

Emergency Phone Num:908-685-5800 Preparer's Name:PHILIP A TOSCANO

CAGE:85091

=== Contractor Identification ===

Company Name: NATIONAL STARCH AND CHEMICAL CORP

Address:10 FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ ZIP:08807 Country:US

Phone:908-685-5379; FAX:908685-5306

CAGE:85091

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

Ingred Name:TETRAETHYLENEGLYCOL DIMETHACRYLATE

CAS:109-17-1 Fraction by Wt: >1%

Other REC Limits: NONE SPEC

IFIED

Ingred Name: HYDROXYETHYL METHACRYLATE (ORAL LD50 1250 MG/KG RAT)

CAS:868-77-9

RTECS #:OZ4725000 Fraction by Wt: >1%

Other REC Limits: NONE SPECIFIED

Ingred Name: CUMENE HYDROPEROXIDE (SARA III) (ORAL LD50 800 MG/KG RAT

83% SOLUTION; DERMAL LD50 1.13 RAT; INHAL LC50 700 PPM/6HR RAT)

CAS:80-15-9

RTECS #:MX2450000 Fraction by Wt: >1%

Other REC Limits: NONE SPECIFIED

EPA Rpt Qty:10 LBS DOT Rpt Qty:10 LBS

Ingred Name: VOC: 0.09 LBS/GAL (10 G/L)

RTECS #:9999999VO

Other REC Limits: NONE SPECIFIE

D

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: IRRITATING, INJURE TISSUE IF NOT REMOVED PROMPTLY. SKIN: FREQUENT/PROLONGED CONTACT: IRRITATE, DERMATITIS. SENSITIZATION, DERMATITIC RASH. INHALATION: NOT HAZARD UNDER NORMAL CONDITIONS. IRRITATI NG/TOXIC VAPORS MAY BE RELEASED AT ELEVATED TEMPERATURES. INGESTION

: NOT EVALUATED, ASSUMED TO CAUSE NAUSEA & VOMITING.

Effects of Overexposure:CHRONIC: IN CERTAIN INDIVIDUALS, SENSITIZATION MAY OCCUR CAUSING DERMATITIS WITH EVEN MINIMAL CONTACT. DUE TO SKIN ABSORPTION WITH EXCESSIVE CONTACT, PRODUCT MAY PRODUCE NERVOUS SYSTEM EFFECTS, I.E., ATAXIA. TARGET ORGANS: SKIN AND EYES.

First Aid:EYE:IMMED FLUSH W/WATER 15 MIN,LIFT EYELIDS. GET PROMPT MED AID. SKIN:FL

USH W/SOAP & WATER TILL CHEMICAL REMOVED.REMOVE CONTAM CLOTHES. WASH BEFORE REUSE. INHAL:NOT NORMALLY REQ'D. REMOVE TO FRESH AIR. IF BREATH DIFFICULT, GIVE OXYGEN; IF STOPPED, GIVE ARTIF RESP. GET MED AID. INGEST:DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE MILK/WATER (NOTHING TO UNCONSCIOUS). KEEP WARM/QUIET. GET PROMPT MED AID.

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

Flash Point Method:SCC Flash Point:230F,110C

Extinguishing Media: CO2, DRY CHEMICAL

, FOAM, WATER FOG

Fire Fighting Procedures: EQUIP FIRE FIGHTERS WITH SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. COOL EXPOSED EQUIPMENT WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:POLYMERIZATION MAY TAKE PLACE AT ELEVATED TEMPERATURES.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. STOP LEAK IF WITHOUT RISK. SMALL SPILL: TAKE UP WITH SAND, ETC. PLACE IN C

ONTAINER FOR

LATER DISPOSAL. LARGE SPILL: ABSORBED MATERIAL MAY POLYMERIZE (GENERATE HEAT & PRESSURE). VENT CONTAINER TO PREVENT BUILDUP OFPRESSURE.

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

Handling and Storage Precautions:AVOID EXCESSIVE HEAT. STORE AT ROOM TEMPERATURES, OUT OF DIRECT SUNLIGHT IN A DRY AREA. MAXIMUM STORAGE TEMPERATURES IS 100 F.

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

Respiratory Protection: NONE RE

QUIRED UNDER NORMAL HANDLING CONDITIONS.

USE NIOSH APPROVED RESPIRATOR IF VAPOR OR MISTS LEVELS ARE IRRITATING.

Ventilation: GENERAL

Protective Gloves: PROTECTIVE GLOVES TO PREVENT

Eye Protection: SAFETY GLASSES, GOGGLES OR FACE SHIELD

Other Protective Equipment:NO SPECIAL CLOTHING REQUIRED FOR LOW VOLUME ACTIVITY. REMOVE CLOTHES AND WASH BEFORE REUSE IF CONTAMINATED WITH PRODUCT.

Work Hygienic Practices: WASH HANDS WITH SOAP & WATER IF CONTACT W/PRODUCT OCCURS OR BEFORE EATING,

DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:POLYMERIZES

Vapor Pres:0.01 @ 77F

Vapor Density:1.01

Spec Gravity:1.070 (WATER=1)

Viscosity:1000 CPS

Evaporation Rate & Deference: NOT NOTED

Solubility in Water: INSOLUBLE

Appearance and Odor:PURPLE LIQUID MILD PLEASANT ODOR

Percent Volatiles by Volume: