

NATIONAL STARCH & CHEMICAL CO; PERMABOND INTERNT'L -- PERMA-LOK (R) ML 124 --
8030-00-823-7917

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

Product ID:PERMA-LOK (R) ML 124

MSDS Date:10/25/1990

FSC:8030

NIIN:00-823-7917

MSDS Number: BQSGQ

=== Responsible Party ===

Company Name:NATIONAL STARCH & CHEMICAL CO; PERMABOND INTERNT'L

Address:FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Info

Phone Num:908-685-5379/908-685-5000

Emergency Phone Num:908-685-5000

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 SPECI

FIED

Ingred Name:HYDROXYETHYL METHACRYLATE
CAS:868-77-9
RTECS #:OZ4725000
Fraction by Wt: >1%
Other REC Limits:NONE SPECIFIED

Ingred Name:CUMENE HYDROPEROXIDE (SARA III)
CAS:80-15-9
RTECS #:MX2450000
Fraction by Wt: 3.5%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SACCHARIN (SARA III)
CAS:81-07-2
RTECS #:DE4200000
Fraction by Wt: 2.3%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:VOC: 10 G/L, 0.09 LBS/GAL
RTECS #:9
999999VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE; EYE: IRRITATING, INJURE EYE
TISSUE IF NOT PROMPTLY REMOVED. SKIN: MAY CAUSE SKIN SENSITIZATION
(PARTIAL OR WHOLE BODY DERMATITIC RASH). INHALATION: NOT CONSIDERED
HAZARD. INGESTION: NOT EVALUATED BUT ASSUMED TO CAUSE NAUSEA &

VOMITING.

Effects of Overexposure:CHRONIC; SKIN: IRRITATE, DERMATITIS. IN CERTAIN
INDIVIDUALS, SENSITIZATION MAY OCCUR CAUSING DERMATITIS W/EVEN
MINIMAL CONTACT. ABSORPTION: NERVOUS SYSTEM EFFECT (ATAXIA). TARGET
ORGANS: SKIN & EYES.

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

First Aid:EYE:IMMED FLUSH W/WATER 15MIN,LIFT EYELID.GET PROMPT MED
AID.SKIN:FLUSH W/SOAP &WATER (CHEMICAL GONE).REMOVE CONTAM
CLOTH.WASH BEFORE REUSE.INHAL:FIRST AID NOT NOR

MALLY REQ'D.REMOVE

TO FRESH AIR.IF BR EATHING DIFFICULT,GIVE
OXYGEN,BREATHINGSTOPPED,GIVE ARTIF RESPIRATION.GET MED
AID.INGEST:DONT INDUCE VOMITING.IF CONSCIOUS,GIVE
MILK/WATER.NOTHING BY MOUTH TO UNCONSCIOUS.KEEP WARM,QUIET.GET MED
AID.

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

Flash Point Method:SCC

Flash Point:230F,110C

Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG

Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH SCBA 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 W/OUT
RISK. FOR SMALL SPILLS TAKE UP WITH SAND OR INERT ABSORBNT, PLACE
IN CNTNR. LRG QTY, ABSORBED PRODUCT MAY POLYMERIZE (W/HEAT
&PRESSR). VENT CNTNR (PREVEN
T PRESSR BLDUP).

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

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

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL HANDLING CONDITIONS.
USE NIOSH APPROVED RESPIRATOR IF VAPOR OR MIST LEVELS ARE
IRRITATING.

Ventilation:GENERAL

Protectiv

e Gloves:PROTECTIVE GLOVES TO PREVENT CONTACT

Eye Protection:SAFETY GLASSES, GOGGLES, FACE SHIELD

Other Protective Equipment:NO SPECIAL CLOTHING REQ'D FOR LOW VOLUME
ACTIVITY.

Work Hygienic Practices:REMOVE CONTAM CLOTH, WASH BEFORE REUSE. WASH
HANDS W/SOAP & WATER IF CONTACT/BEFORE EAT, DRINK, SMOKE, USE
RESTROOM.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:POLYMERIZES

Vapor Pres:0.01 @ 77F

Vapor Density:

1.01

Spec Gravity:1.070 (WATER=1)

Viscosity:25 CPS

Solubility in Water:INSOLUBLE

Appearance and Odor:BLUE LIQUID; MILD PLEASANT ODOR

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

Stability Indicator/Materials to Avoid:YES

METALS AND THEIR SALTS, PERMA-LOK (R) ANAEROBIC SURFACE CONDITIONERS.

Stability Condition to Avoid:SUNLIGHT, EXCESSIVE HEAT, CONTAMINATION

BY METALS OR ANAEROBIC SURFACE CONDITIONER IN LARGE QUANTITIES.

Hazardous Decomposition Products:THERMAL DECOM

POSITION COULD PRODUCE

CARBON MONOXIDE, CARBON DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization:ANAEROBIC/POLYMERIZE IN ABSENCE OF

AIR.SUNLIGHT,HEAT,METAL CONTAMNTN & ANAEROBIC SURFACE CONDITIONER

CAUSE POLYMERIZATN.

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

Waste Disposal Methods:CAN CAREFULLY SOLIDIFY WITH ANAEROBIC SURFACE
CONDITIONER & DISPOSE OF AS SOLID WASTE. WASTE DISPOSAL SHOULD BE
IN ACCORDANCE WITH EXISTING

FEDERAL, STATE & LOCAL ENVIRONMENTAL
REGULATIONS.

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