

NATIONAL STARCH AND CHEMICAL CORPORATION -- PERMA-LOK (R) HM 128 -- 8030-00-148-9833
===== Product Identification =====

Product ID:PERMA-LOK (R) HM 128

MSDS Date:11/29/1988

FSC:8030

NIIN:00-148-9833

MSDS Number: BHMFN

=== Responsible Party ===

Company Name:NATIONAL STARCH AND CHEMICAL CORPORATION

Address:FINDERNE AVENUE

Box:6500

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Info Phone Num:201-68

5-5379

Emergency Phone Num:201-685-5000

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
(EYE/SKIN IRRITANT,SKIN SENSITIZER)

CAS:109-17-1

RTECS #:OZ4000000

Fraction

by Wt: >1%

Ingred Name:HYDROXYETHYL METHACRYLATE (SLIGHT SKIN IRRITATION,HIGH VAPRCONCENT MAY IRRITATE RESPIRATORY TRACT,SEVERE EYE IRRIT)

CAS:868-77-9

Fraction by Wt: >1%

Ingred Name:1-METHYL-1-PHENYLETHYL HYDROPEROXIDE (CUMENE HYDROPEROXIDE) (SARA III)

CAS:80-15-9

RTECS #:MX2450000

Fraction by Wt: >1%

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:SACCHARIN (SARA III)

CAS:81-07-2

RTECS #:DE4200000

Fraction by Wt: >1%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:VOC. O

RGANIC CMPD 0.09 LB/GAL LESS WATER & NPRS* 10 G/L

RTECS #:9999999VO

=====
Hazards Identification
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:MAY INJURE EYE TISSUE IF NOT REMOVED

PROMPTLY. MAY CAUSE SKIN SENSITIZATION A PARTIAL OR WHOLE BODY

DERMATITIC RASH EXPERIENCED AFTER EXPOSURE. IRRITATING OR TOXIC

VAPORS MAYBE RELEASED AT ELEVATED TEMPERA

TURES,BASED ON ITS LOW

VOLATILITYPRODUCT IS NOT CONSIDERED TO BE RESPIRATORY HAZARD UNDER

NORMAL CONDITION OF USE

Effects of Overexposure:EYE: IRRITATING,MAY INJURE TISSUE IF NOT

REMOVED PROMPTLY SKIN: MAY IRRITATE AND CAUSE

DERMATITIS IF FREQUENT OR PROLONGED CONTACT INGST: ASSUMED

TO CAUSE NAUSEA AND VOMIT ING

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

First Aid:EYE: IMMED FLUSH W/LG AMNTS OF WTR FOR 15 MINS LIFTING

EYELIDS GET ME

DICAL ATTN SKIN: FLUSH THOROUGHLY W/SOAP & WATER
UNTIL CHEM IS REMOVED. INHAL: REMOVE TO FRESH
AIR,GIVE OXYGEN/C PR IF NECESSARY,GET MEDICAL ATTENTIONINGST: DONOT
INDUCE VOMITING,KEEP WARM/QUIET,GIVE MILK/WTR TO DILUTE STOMACH IF
PERSON IS CONSCIOUS, GET PROMPT MEDICAL ATTENTION

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

Flash Point Method:SCC
Flash Point:230F/110C
Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG
Fire Fighting Procedures:W
EAR SCBA. COOL EXPOSED EQUIPMENT WITH WATER
SPRAY.
Unusual Fire/Explosion Hazard:IN LARGER QUANTITIES, COULD UNDERGO
POLYMERIZATION GENERATING SIGNIFICANT HEAT AND PRESSURE

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. STOP LEAK IF W/O
RISK. SMALL SPILLS TAKE UP W/SAND OR INERT ABSORBNT MATLPLACE IN A
CONTAINER FOR DISPOSAL.BULK QTY PRODUCTABSORBED ON INERT MATL MAY
POLYMZ GENRT SIGN OF HT PRESS.VENT
DISPSL CONTNR TO PREVNT PRESS
BUILD UP.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. AVOID
EXCESSIVE HEAT. STORE OUT OF DIRECT SUNLIGHT IN A DRY AREA. MAX
STORAGE TEMPERATURE IS 100F.
Other Precautions:PERMA-LOK(R) PRODUCTS ARE ANAEROBIC AND POLYMERIZE IN
THE ABSENCE OF AIR. SUN LIGHT, EXCESSIVE HEAT, AND CONTAMINATION
BY METALS OR ANAEROBIC SURFACE CONDITIONER IN LARGE QUANTITIES,
W
ILL ALSO CAUSE POLYMERIZATION.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL HANDLING CONDITIONS.
USE NIOSH APPROVED RESPIRATOR IFVAPOR OR MIST LEVELS ARE
IRRITATING.
Ventilation:GENERAL
Protective Gloves:MUST WEAR APPROPRIATE PROTECTIVE GLOVE
Eye Protection:SAFETY GLASSES/GOGGLES OR FACE SHIELD
Work Hygienic Practices:WASH HANDS W/SOAP & WTR IF CONTACT W/PRODUCT
OCCURS OR BEFOREATING,SMOKING,DRINKING,OR USING

TOILET FACILITY

Supplemental Safety and Health

REMOVE CLOTHING AND LAUNDER BEFORE REUSE IF CONTAMINATED WITH PRODUCT

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

Vapor Pres:0.01 @ 77F

Vapor Density:1.01

Spec Gravity:1.070

Viscosity:500 CPS

Solubility in Water:INSOLUBLE

Appearance and Odor:RED LIQUID; MILD, PLEASANT ODOR

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

Stability Indicator/Materials to Avoid:YES

METALS AND THEIR SALTS

Hazardous Decom

position Products:CARBON MONOXIDE/DIOXIDE, AND

UNIDENTIFIED ORGANIC COMPOUNDS

Conditions to Avoid Polymerization:PERMA-LOK(R) PRODUCTS ARE ANAEROBIC
AND POLYMERIZE IN THE ABSENCE OF AIR.

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

Waste Disposal Methods:DISPOSAL SHOULD BE IN ACCORDANCE WITH EXISTING
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS

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