

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

Product ID:PERMA-LOK (R) LH 050

MSDS Date:09/27/1994

FSC:8030

NIIN:01-054-0740

MSDS Number: CGXNY

=== Responsible Party ===

Company Name:NATIONAL STARCH AND CHEMICAL CORP

Address:FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Info Phone Num:908-685-5000

Emergency Phone Num:908-685-5000

CAGE:85091

=== Contractor Identification =

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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:TETRAETHYLENE GLYCOL DIMETHACRYLATE

CAS:109-17-1

Fraction by Wt: >1.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:VOC = 10 G/L

RTECS #:9999999VO

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

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===== 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: IRRIT. SKIN: IRRIT, DERMATITIS,
SENSITIZATION, DERMATITIC RASH. INHAL: IRRIT. INGEST: NAUSEA AND
VOMIT.

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

First Aid:EYE: FLUSH W/WATER FOR 15 MINUTES, LIFTING LIDS. SKIN: FLUSH
W/SOAP & WATER. REMOVE CONTAM CLOTH
ES, WASH BEFORE REUSE. INHAL:
MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.
INGEST: DON T INDUCE VOMIT. DRINK MILK/WATER TO DILUTE STOMACH
CONTENTS. KEEP WARM/QUIET. IN ALL CASES, GET IMMED MED AID.

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

Flash Point Method:SCC
Flash Point:230F,110C
Autoignition Temp:Autoignition Temp Text:NE
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures
:USE SCBA. COOL EXPOSED CONTAINERS W/WATER
SPRAY.
Unusual Fire/Explosion Hazard:POLYMERIZATION MAY TAKE PLACE AT ELEVATED
TEMPERATURES.

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

Spill Release Procedures:USE PROTECTIVE CLOTHES. STOP LEAK. SMSP: TAKE
UP W/SAND/INERT ABSORBENT. PUT IN CONTAINER FOR DISPOSAL. BULK
QUANTITIES, PRODUCT ABSORBED ON INERT MATERIAL MAY POLYMERIZE. VENT
CONTAINERS. CAREFULLY S OLIDIFY CONDITIONER & DISPOSE OF AS SOLID
WA
STE.

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

Handling and Storage Precautions:STORE AT ROOM TEMP. AVOID EXCESSIVE
HEAT. STORE OUT OF DIRECT SUNLIGHT IN DRY AREA. MAXIMUM STORAGE
TEMP 100F.
Other Precautions:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. FOLLOW
MSDS AND LABEL WARNINGS EVEN AFTER THEY HAVE BEEN EMPTIED.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR IF VAPOR OR MIST

LEVELS ARE IRRITATING.
Ventilation:GENERAL
Protective Gloves:REQUIRED
Eye Protection:SAFETY GLASES/GOGGLES/FACE SHIELD
Work Hygienic Practices:REMOVE CLOTHES,WASH BEFORE REUSE. WASH HANDS
W/SOAP & WATER BEFORE EATING, SMOKING OR USING TOILET FACILITIES.
Supplemental Safety and Health
NK

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

Boiling Pt:B.P. Text:POLYMERIZES
Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Pres:0.01 @ 77F
Vapor Density:1.01
Spec Gravity:1.070
pH:NA
Vi
scosity:200,000 CPS
Evaporation Rate & Reference:NA
Solubility in Water:INSOLUBLE
Appearance and Odor:LIQUID WHITE PASTE, MILD PLEASANT ODOR.

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

Stability Indicator/Materials to Avoid:YES
METALS AND THEIR SALTS, PERMA-LOK (R) ANAEROBIC SURFACE CONDITIONERS.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIE AND
UNIDENTIFIED ORGANIC COMPOUNDS.
Conditions to Avoid Polymerization:ABSENCE OF AIR, SUNLIGHT, HIGH H
EAT,
CONTAMINATION BY METALS, ANAEROBIC SURFACE CONDITIONERS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE AND
LOCAL REGULATIONS.

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