

NATIONAL STARCH AND CHEMICAL CORP -- PERMA-LOK (R) LH 050 -- 8030-01-054-0740

===== 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 P

hone Num:908-685-5000

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: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 RECOM

MENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

===== 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, L  
IFTING LIDS. SKIN: FLUSH  
W/SOAP & WATER. REMOVE CONTAM CLOTHES, 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  
CONTAINER

RS. CAREFULLY SOLIDIFY CONDITIONER & DISPOSE OF AS SOLID WASTE.

===== 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 GLASSES/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 Pressure:0.01 @ 77F  
Vapor Density:1.01  
Spec Gravity:1.070  
pH:NA  
Viscosity: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 DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.  
Con

ditions to Avoid Polymerization:ABSENCE OF AIR, SUNLIGHT, HIGH HEAT,  
CONTAMINATION BY METALS, ANAEROBIC SURFACE CONDITIONERS.

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

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever

r,

expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.