

NATIONAL STARCH AND CHEMICAL CORP -- PERMA-LOK (R) LH 050, P/N 78-4421 --
8030-00-204-9149

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

Product ID:PERMA-LOK (R) LH 050, P/N 78-4421

MSDS Date:09/27/1994

FSC:8030

NIIN:00-204-9149

MSDS Number: CGXKB

=== 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

=== C

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:908-685-5306

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

===== 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: DERMATITIS,
SENSITIZATION, DERMATITIC RASH. 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 CLOT
HES, WASH BEFORE REUSE. INHAL:
REMOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.
INGEST: DONT 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 & PLACE IN CONTAINER
FOR DISPOSAL. PRODUCT MAY POLYMERIZE.

===== Handli

ng 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 & 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.

Ventilati

on: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 Pres:0.01 @ 77F

Vapor Density:1.01

Spec Gravity:1.070 WATER = 1

pH:NA

Viscosity:200,000 CPS

Eva

poration 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:OXIDES OF CARBON AND UNIDENTIFIED ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization:AIR, SUNLIGHT, HIGH HEAT CONTAM BY METALS/ANAEROBIC SURFACE CONDI

TIONERS IN LG AMOUNTS WILL CAUSE
POLYMERIZATION.

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

Waste Disposal Methods: VENT DISPOSAL CONTAINERS. SOLIDIFY W/ANAEROBIC
SURFACE CONDITIONERS. DISPOSE OF AS SOLID WASTE. DISPOSE OF IN
ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.

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