

NATIONAL STARCH AND CHEMICAL CO; PERMABOND -- PERMABOND (R) 102 -- 8040-00-142-9193
===== Product Identification =====

Product ID:PERMABOND (R) 102

MSDS Date:02/01/1993

FSC:8040

NIIN:00-142-9193

MSDS Number: BSHRR

=== Responsible Party ===

Company Name:NATIONAL STARCH AND CHEMICAL CO; PERMABOND

Address:FINDERNE AVE

Box:6500

City:BRIDGEWATER

State:NJ

ZIP:08807

Country:US

Info Phone Num:908-685-500

0

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:ETHYL CYANOACRYLATE

CAS:7085-85-0

Fraction by Wt: >1%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:2 PPM; STEL 4 PPM

Ingred Name:VOC

: NIL
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:DERMAL LD50:LDLO RAT INTRPRTNL:100 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE: WILL BOND EYELIDS
TOGETHER. SKIN: IMMEDIATE BONDING OF SKIN. FREQUENT/PROLONGED
CONTACT MAY IRRITATE. INHALATION: VAPORS MAY BE IRRITATING TO
RES
PIRATORY SYSTEM & NASAL PASSAGES. INGESTION : IMMEDIATE BONDING
OF MOUTH COULD OCCUR.
Effects of Overexposure:TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM

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

First Aid:EYE:FLUSH W/LRG AMT WATER WHILE HOLDING EYELID OPEN. GET MED
AID IMMED. DON'T WEAR CONTACT LENSES. SKIN:DON'T ATTEMPT TO REMOVE
MAT'L FROM SKIN OR REMOVE CONTAM CLOTHES. WASH W/LRG QTY SOAP &
WATER WH ILE FLEXING BONDED PARTS. DON'T MECHANICALLY R
EMOVE
ADHESIVE/PULL APART. INHAL:REMOVE TO FRESH AIR. IF BREATHING
DIFFICULT, GIVE OXYGEN, IF STOPPED, ARTIF RESP. INGEST:IMMED MOUTH
BONDING.GET MED AID.

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

Flash Point Method:SCC
Flash Point:167F,75C
Extinguishing Media:CO2, DRY CHEMICAL, FOAM
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF-
CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC
AND IRRITATING FUMES.
Unusual
Fire/Explosion Hazard:CLOTHS USED TO WIPE UP SPILLS MAY CAUSE
RAPID POLYMERIZATION THAT COULD GENERATE SUFFICIENT HEAT TO IGNITE
THE CLOTH.

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

Spill Release Procedures:SMALL:WIPE UP W/CLOTH.IMMED SOAK W/WATER
(POLYMERIZE ADHESIVE).CAUTION.CLOTH MAY UNDERGO AUTOIGNITION IF NOT
SOAKED W/WATER.LARGE:FLOOD AREA W/WATER.WHEN CURED REMOVE FILM
W/SCRAPER.WEAR NIOSH RSPRTR FOR ORGANIC VAPOR IF NEEDED &
PROTECTIVE

CLOTHING.

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

Handling and Storage Precautions:STORE AT LESS THAN 80F. STORE IN A COOL, DRY AREA AWAY FROM HEAT, SPARKS OR FIRE.

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

Respiratory Protection:AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR MISTS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:LOCAL

Protec

tive Gloves:POLYETHYLENE, DON'T WEAR RUBBER OR CLOTH

Eye Protection:SAFETY GLASSES, GOGGLES OR FACE SHIELD

Other Protective Equipment:NO SPECIAL CLOTHING REQUIRED FOR LOW VOLUME ACTIVITY.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, USING TOILET FACILITIES.REMOVE CONTAM CLOTHING CAREFULLY.WASH BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V4

Boiling Pt:B.P. Text:140F,60C

Vapor Pres:0.3 @

68 F

Vapor Density:>1

Spec Gravity:1.050 (WATER=1)

Viscosity:100 CPS

Solubility in Water:INSOLUBLE

Appearance and Odor:TRANSPARENT LIQUID; PUNGENT ODOR

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

WATER, ALKALINE MATERIALS, PEROXIDES

Hazardous Decomposition Products:DECOMPOSES UPON HEATING TO RELEASE

TOXIC FUMES OF NITROGEN OXIDES, CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polym

erization:ADHESIVE CONTAM W/ALKALINE

MATERIALS, PEROXIDES OR WATER CAN RESULT IN RAPID POLYMERIZATION.

LRG QTY:RISE IN TEMP/PRESSR

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

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

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