

SA-5, SA-6

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72-7468

*** MATERIAL SAFETY DATA SHEET ***
National Starch and Chemical Company
P.O. Box 6500
Bridgeview, NJ 08807
Corporate and emergency telephone: 908-685-5000

1. PRODUCT IDENTIFICATION

PRODUCT NUMBER: 72-7468
PRODUCT NAME: TRAP-LOK (R) 72-7468
CHEMICAL FAMILY: EXPERIMENTAL PRODUCT
SYNONYM NAME(S): HOT MELT ADHESIVE
HOT MELT ADHESIVE

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT	EXPOSURE LIMITS
HYDROTREATED HEAVY NAPHTHENIC OIL	84742-18-3	>1	5,000 mg/m ³ (ACGIH TWA) 10,000 mg/m ³ (ACGIH STEL) 5,000 mg/m ³ (OSHA PEL)

3. PHYSICAL DATA

PURE MATERIAL OR MIXTURE: Mixture
APPEARANCE: Solid
PH AS IS: Light colored solid
PH IN 1% SOLUTION: N/A
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY (WATER = 1): >500 F
BULK DENSITY: 5.880
VOLATILITY: 5.0 LB/GAL
EVAPORATION RATE: NIL (Water)
VAPOR PRESSURE (mmHg): NIL at 20 C
VOLATILE ORGANIC COMPOUNDS: NIL

4. FIRE AND EXPLOSION DATA

AUTIGNITION: UNKNOWN
FLASH POINT: GREATER THAN 250 F Fahrenheit; Method: Setex flash closed test
UPPER EXPLOSIVE LIMIT (%): Not applicable
LOWER EXPLOSIVE LIMIT (%): Not applicable
EXTINGUISHING MEDIA: Not applicable
SPECIAL FIREFIGHTING PROCEDURES: Fire fighting should be self-contained breathing apparatus to protect against potentially toxic and irritating fumes
FIRE & EXPLOSION HAZARDS: Combustion may release noxious or toxic vapors. See reactivity, section 7.
NFPA FLAMMABILITY HAZARD CLASS.: Not noted

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY: Skin contact; Eye contact; Inhalation
ACUTE EFFECTS--EYE: As supplied; Irritant as a foreign body.
ACUTE EFFECTS--SKIN CONTACT: Exposure to hot material may cause severe thermal burns.
ACUTE EFFECTS--INHALATION: Negligible. No hazard in normal industrial use.
ACUTE EFFECTS--INGESTION: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. No hazard in normal industrial use.

FIRST AID PROCEDURES

EYE: If hot; flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As

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5. HEALTH EFFECTS DATA (Continued)

SKIN CONTACT: If hot; flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied; Non-hazardous.
INHALATION: Flammable. Not normally required. Remove to fresh air. Administer oxygen to aid breathing. Get medical attention. DO NOT induce vomiting. If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.
INGESTION: If hot; flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied; Non-hazardous.

LONG-TERM EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE: Vapors may be mildly irritating to respiratory passages. Normally used at elevated temperatures. Stable composition of vapors is variable and unpredictable, based on ambient conditions. good ventilation is highly recommended. Skin; Eyes; Lungs; Gastrointestinal

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA guidelines): No

TOXICOLOGY INFORMATION

RAW MATERIAL NAME: HYDROTREATED HEAVY NAPHTHENIC OIL
ORAL LD50 (SPECIES TESTED): >5.0 g/kg Rat
NOTES ON ORAL TOXICITY: Low order of toxicity.
DERMAL LD50, SPECIES TESTED: 2.0 g/kg Rabbit
NOTES ON DERMAL TOXICITY: Persistent or prolonged contact may irritate the skin.
NOTES ON INHALATION TOXICITY: Vapors and/or aerosols may cause irritation. Slightly irritating but does not injure eye tissue.

6. ECOLOGICAL INFORMATION

Not noted.

7. RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT

CONDITIONS UNDER WHICH PPE REQUIRED: Normal work conditions; Spill/Cleanup; EYE PROTECTION REQUIREMENTS: Washable safety glasses with side shields. GLOVE REQUIREMENTS: Thermally resistant gloves should be worn. CLOTHING REQUIREMENTS: To avoid burns, use long-sleeved, long-legged clothing. Not noted. RESPIRATOR REQUIREMENTS: None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are high. General: Local exhaust over glue chamber.

8. REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: Stable
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, unknown hydrocarbons. Will not occur

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9. SPILL AND LEAK PROCEDURES

SPILL OR LEAK PROCEDURES:..... Allow to cool and solidify. Scrub up and collect in suitable containers for disposal.
WASTE DISPOSAL METHODS:..... Waste disposal should be in accordance with existing local, state and local environmental regulations.

10. HANDLING AND STORAGE PRECAUTIONS

STORAGE TEMPERATURE..... Room temp.
HANDLING/STORAGE:..... Store in a cool, dry area. Precaution: This product should only be heated to recommended temperature. Heating of pyrolysis products emitted and may be hazardous to health.

11. SHIPPING INFORMATION

DOT SHIPPING NAME..... ADHESIVE N.O.T.
DOT HAZARD CLASS..... NON-HAZARDOUS
DOT REPORTABLE QUANTITY..... N/A

12. OTHER REGULATORY

TSCA..... All components are on the TSCA inventory.
SARA/Title III..... This product contains no substances at or above the reporting threshold under Section 313. Based on data available.

13. REGULATORY CONTACT

MSDS DATE..... 02/01/94
REGULATORY INFORMATION CONTACT:
Philip A. Thomas
Assistant Regulatory Coordinator
Adhesives Division
National Starch & Chemical Company
P.O. Box 6500
Bridgewater, NJ 08807
508-685-5779

- ADDITIONAL INFORMATION -

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND NOT COMBINED WITH OTHER PRODUCTS. SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES. AND ARE BASED ON THE ASSUMPTION THAT THE PRODUCT IS USED AS INTENDED. NO WARRANTY OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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