

NATIONAL STARCH AND CHEMICAL

PRODUCT NUMBER 40-0567

20-March-2004



*** MATERIAL SAFETY DATA SHEET ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER 40-0567
PRODUCT NAME WOOD-LOK ® 40-0567
adhesive
Manufacturer National Starch & Chemical Company
Adhesives Division
P.O. Box 6500, 10 Finderne Avenue
Bridgewater, NJ 08807
USA
EMERGENCY PHONES:
MEDICAL: 866-359-5657 (Health & Safety Call Center-24 hours)
TRANSPORT: CHEMTREC: 800-424-9300 (24 hours)
CHEMTREC International: 703-527-3887 (call collect)
Corporate Emergency Phone: 908-685-5100 (24 hours)
MSDS Requests/Customer Service: See phone numbers in Section 16

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY	Vinyl Acetate Homopolymer		
COMPONENT		CAS NUMBER	CONCENTRATION (%)
NONE HAZARDOUS			

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not considered as hazardous.
White Liquid Slight odor

EYE Slight/mild irritant.
SKIN CONTACT Repeated or prolonged skin contact may result in mild irritation.
INHALATION Vapor may be irritant to the respiratory tract.
INGESTION Ingestion may cause irritation of the gastrointestinal tract. Low oral toxicity.

4. FIRST-AID MEASURES

EYE Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.

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SKIN CONTACT	Wash skin with soap and water.
INHALATION	Remove to fresh air. Get medical attention if irritation persists.
INGESTION	Treat symptomatically and supportively. Get medical attention.

5. FIREFIGHTING MEASURES

AUTOIGNITION	Not available
FLASH POINT	> 212 °F
EXTINGUISHING MEDIA	CO ₂ ; Dry Chemical; Foam; Water Fog
SPECIAL FIREFIGHTING PROCEDURES	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS	This is a water-based product and presents no particular fire or explosion hazard.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide, carbon dioxide.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable
FLAMMABILITY HAZARD CLASS	0 = Insignificant.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	Absorb spillages onto sand, earth or any suitable absorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	40 - 100 °F
HANDLING/STORAGE	Product contains low level of organic volatiles which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in well ventilated area. Avoid breathing vapors.
SENSITIVITY TO STATIC ELECTRICITY	No
SENSITIVITY TO MECHANICAL IMPACT	No
OTHER PRECAUTIONS	Avoid extreme temperatures. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS	Local. General.
EYE PROTECTION REQUIREMENTS	Wear safety glasses with side shields.
GLOVE REQUIREMENTS	Gloves are recommended due to possible irritation.

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CLOTHING REQUIREMENTS	Wear protective equipment to comply with good occupational hygiene practice.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATOR REQUIREMENTS	None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE	Mixture
PHYSICAL FORM	Liquid
COLOR	White
ODOR	Slight
ODOR THRESHOLD	Not available
PH AS IS	4.5
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	> 212 °F
MELTING/FREEZING POINT	< 40 °F
SOLUBILITY IN WATER	Miscible
PARTITION COEFFICIENT (n-octanol/water)	Not applicable
SPECIFIC GRAVITY (WATER=1)	1.13
BULK DENSITY	9.5 lb/gal
EVAPORATION RATE	1 (Water = 1)
VAPOR PRESSURE (mmHg)	17.5 @ 20°C
VAPOR DENSITY (air = 1)	0.62
VOLATILES	60 %/wt
VOLATILE ORGANIC COMPOUNDS	0.1 %/wt
AUTOIGNITION	Not available
FLASH POINT	> 212 °F

10. STABILITY AND REACTIVITY

STABILITY	Stable
STABILITY DETAIL	Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat. Vent all ovens and process vessels to the outside atmosphere.
REACTIVITY HAZARD CLASS	0 = Stable
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY	Eye Contact; Skin Contact; Inhalation
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CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

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EFFECTS OF CHRONIC EXPOSURE	The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.
TARGET ORGANS	Not applicable.
CARCINOGEN	No.
PRODUCT INFORMATION	Unlikely to cause harmful effects under normal conditions of handling and use.

12. ECOLOGICAL INFORMATION

POTENTIAL TO BIOACCUMULATE	Unknown.
AQUATIC TOXICITY	Not tested

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Disposal should be in accordance with local, state or national legislation.
EMPTY CONTAINER WARNINGS	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

DOT CLASSIFICATION

PROPER SHIPPING NAME NOT APPLICABLE

ICAO/IATA CLASSIFICATION

PROPER SHIPPING NAME NOT APPLICABLE

IMO/IMDG CLASSIFICATION

PROPER SHIPPING NAME NOT APPLICABLE

The information provided herein may not include the impact of additional regulatory requirements (eg, for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

15. REGULATORY INFORMATION

USA

TSCA

All components are on the TSCA inventory.

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SARA/TITLE III	CAS NUMBER	CONCENTRATION (%)
Contains no substances at or above the reporting threshold under Section 313.		

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm:

COMPONENT	CAS NUMBER
Acetaldehyde	75-07-0
ethylene oxide	75-21-8
Propylene oxide	75-56-9
1,4-Dioxane	123-91-1

16. OTHER INFORMATION

MSDS DATE	02-February-2001
FOR INFORMATION CONTACT:	National Starch & Chemical Company
	Adhesive Division
	Product Information:
	Customer Relations: 1-888-480-6885

ADDITIONAL INFORMATION: The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.