



***** MATERIAL SAFETY DATA SHEET *****

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER: 35-027A
PRODUCT NAME: ADHESIN 35-027A
synthetic adhesive
FORMER NAME: NATIONAL 35-027A

COMPANY ADDRESS: Henkel Corporation
10 FINDERNE AVENUE
BRIDGEWATER, NJ 08807
USA
EMERGENCY PHONES:
MEDICAL: 860-571-5100 (24 hours)
TRANSPORT: CHEMTREC: 800-424-9300 (24 hours)
CHEMTREC International: 703-527-3887 (call collect)
Customer Service: 888-480-6889

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING.
POSSIBLE SKIN IRRITATION OR ALLERGY.
SKIN SENSITIZER.
Off-white Liquid Ammonia Odor

EYE: Slight/mild irritant.
SKIN CONTACT: Frequent or prolonged contact can be irritating and may cause an allergic response. This product contains natural rubber latex which may cause allergic reactions.
INHALATION: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
INGESTION: Ingestion may cause irritation of the gastrointestinal tract. Low oral toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: Water Based Rubber Latex

COMPONENT	CAS NUMBER	CONCENTRATION (% by weight)
Natural rubber	9006-04-6	30 - 60
Rosin ester	PROPRIETARY	1 - 5

4. FIRST-AID MEASURES

EYE	Irrigate with eyewash solution or clean water until pain is relieved. If symptoms develop, obtain medical attention.
SKIN CONTACT	Wash skin with soap and water. If symptoms develop, obtain medical attention.
INHALATION	Remove to fresh air. Get medical attention if irritation persists.
INGESTION	If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

AUTOIGNITION	Not available
FLASH POINT	> 212 °F
EXTINGUISHING MEDIA	Water spray or fog, CO2, dry chemical; Foam
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, ammonia, amines.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable

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. This material should not be spilled, dumped, or flushed into sewers or public waterways.
SPECIAL SENSITIVITY	Store away from heat and light.
OTHER PRECAUTIONS	Protect from temperatures below 40 F, avoid all contact with copper and copper alloys.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS		
	<u>ACGIH</u>	<u>OSHA</u>	<u>Mfg Working Standard</u>
Natural rubber	Skin - potential significant contribution to overall exposure		

by the cutaneous route
0.0001 mg/m³ TWA (inhalable
fraction, as inhalable allergenic
proteins).

VENTILATION REQUIREMENTS	Mechanical ventilation recommended. Open drums in well-ventilated area.
EYE PROTECTION REQUIREMENTS	Wear safety glasses with side shields.
GLOVE REQUIREMENTS	Impervious neoprene or rubber gloves are recommended.
CLOTHING REQUIREMENTS	Long-sleeved coveralls and gloves to minimize skin contact.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATOR REQUIREMENTS	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE	Mixture
PHYSICAL FORM	Liquid
COLOR	Off-white
ODOR	Ammonia
ODOR THRESHOLD	Not available
PH AS IS	Approximately 10
pH IN (1%) SOLUTION	Not applicable
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	> 212 °F
MELTING/FREEZING POINT	Approximately 32 °F
SOLUBILITY IN WATER	Miscible
PARTITION COEFFICIENT (n-octanol/water)	Not applicable
SPECIFIC GRAVITY (WATER=1)	0.96
BULK DENSITY	8 lb/gal
EVAPORATION RATE	1 (Water = 1)
VAPOR PRESSURE (mmHg)	17.5 @ 20°C
VAPOR DENSITY (air = 1)	> 1.0
VOLATILES	Approximately 42 %/wt
VOLATILE ORGANIC COMPOUNDS	Estimated to be < 0.009 lb/gal
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.
MATERIALS TO AVOID	Avoid contamination with acidic materials.
CONDITIONS TO AVOID	Protect from temperatures below 40F.
HAZARDOUS POLYMERIZATION CONDITIONS	Hazardous polymerization will not occur.

respiratory tract. Avoid breathing vapors or mists.

COMPONENT

Natural rubber

NOTES ON EYE IRRITATION

Irritating, but does not injure eye tissue.

Rosin ester

Will cause eye irritation.

12. ECOLOGICAL INFORMATION

POTENTIAL TO BIOACCUMULATE

Unknown.

AQUATIC TOXICITY

None Established

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

This section provided for general information only. The shipping description below may not represent requirements for all modes of transportation, packaging, shipping methods or locations outside of the United States.

FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION

Not regulated

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

This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

SARA - Section 313 (Superfund Amendments and Reauthorization Act of 1986 - 40CFR 372)

CAS NUMBER

CONCENTRATION

(% by weight)

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.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical/s are present in trace amounts.

COMPONENT	CAS NUMBER
Acetaldehyde	75-07-0
1,4-Dioxane	123-91-1

16. OTHER INFORMATION

HMIS® Hazard Ratings

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs by OSHA's 29 CFR 1910.1200, we choose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual.

When two ratings are provided for Health, the first represents the material 'as supplied', and the second represents the material 'in use'.

* = chronic health hazard

HMIS® is a registered trademark of the National Paint and Coatings Association (NPCA).

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
2	0	0

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