

V-81 Adhesive

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 3/29/2016 Date of issue: 4 /10 /2015

Version: 1

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form:

Product Name: V-81 Adhesive

1.2. Intended Use of the Product

Use of the substance/mixture: Sheet Flooring Adhesive

1.3. Name, Address, and Telephone of the Responsible Party

Mannington Mills, Inc.

P.O. Box 30

75 Mannington Mills Road

08079-0030 Salem, NJ USA

General Information: (856) 935-3000

1.4. Emergency Telephone Numbers:

Product/Medical Emergency Phone Number (24 Hours): (866) 359-5602

Transport Emergency:

Within the U.S. - CHEMTREC: (800) 424-9300

Outside the U.S. – CHEMTREC: +1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture



Classification (GHS-US)

Eye Irrit. 2A

Causes serious eye irritation

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H319 Causes serious eye irritation

Precautionary Statements (GHS-US)

: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264.2 Wash hands thoroughly after handling.
P280.B Wear protective gloves/protective/clothing/eye/protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice attention
P337+P313 If eye irritation persists: Get medical advice/attention.
P405 Store locked up.
P501.A.1 Dispose of contents/container in accordance with applicable regulations.

2.3. Other Hazards: This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it

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does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard).

2.4. Unknown Acute Toxicity (GHS-US) None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product Identifier	%	Classification (GHS-US)
N.A.			

3.2. Mixture

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

Name	Product Identifier	%	Classification (GHS-US)
Glycidoxypropyltrimethoxysilane	CAS: 2530-83-8	1-5%	Eye Dam. 1, H318
Silica Sand	CAS: 14808-60-7	0.1-1%	Carc. 1A, H350.A; STOT RE 1, H372A

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General:

First-aid Measures After Inhalation:

First-aid Measures After Skin Contact: Immediately take off all contaminated clothing. Areas of the body that have - or are only even suspected of having come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose of safely. After contact with skin, wash immediately with soap and plenty of water.

First-aid Measures After Eye Contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

First aid Measures After Inhalation: Remove casualty to fresh air and keep warm and at rest.

First-aid Measures After Ingestion: Do not induce vomiting. Get medical attention, showing the SDS and the hazard label.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/Injuries:

Symptoms/Injuries After Inhalation:

Symptoms/Injuries After Skin Contact:

Symptoms/Injuries After Eye Contact: Eye Irritation, Eye Damages

Symptoms/Injuries After Ingestion:

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water, Carbon dioxide (CO2)

Unsuitable Extinguishing Media: None in particular

5.2. Special Hazards Arising From the Substance or Mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

5.3. Advice for Firefighters

Precautionary Measures Fire: Use suitable breathing apparatus.

Firefighting Instructions: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

Protection During Firefighting:

Other Information:

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General measures:

- Wear personal protection equipment
- Remove persons to safety
- See Protective Measures under points 7 & 8

6.1.1. For Non-emergency Personnel

Protective Equipment: N.A.

Emergency Procedures: N.A.

6.1.2. For Emergency Responders

Protective Equipment: N.A.

Emergency Procedures: N.A.

6.2. Environmental Precautions

6.3. Methods and Material for Containment and Cleaning Up

Suitable material for taking up: absorbing material, organic sand. Wash with plenty of water.

Methods for Cleaning Up:

6.4. Reference to Other Sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

- Avoid contact with skin and eyes, inhalation of vapors and mists.
- Exercise the greatest care when handling or opening the container.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: N.A.

Storage Conditions: N.A.

Incompatible Products: None in particular.

Storage Temperature: Adequately ventilated premises.

7.3. Specific End Use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

List of Components with OEL value:

Component	OEL Type	Country	Ceiling	Long Term Mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Note
Silica Sand	ACGIH			0.025				A2- Suspected Human Carcinogen, lung cancer; pulmonary fibrosis

8.2. Exposure Controls

Appropriate Engineering Controls

N.A.

Hand Protection

Use protective gloves that provide comprehensive protection, e.g. PVC., neoprene or rubber.

Eye Protection

Use close fitting goggles, don't use eye lens.

Skin and Body Protection

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Respiratory Protection

N.A.

Environmental Exposure Controls

Consumer Exposure Controls

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Paste beige
Odor	: N.A.
Odor Threshold	: N.A.

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pH	: 9.40
Evaporation Rate	: N.A.
Melting Point	: N.A.
Freezing Point	: N.A.
Boiling Point	: >100 °C (212 °F)
Flash Point	: >100 °C (212 °F)
Auto-ignition Temperature	: N.A.
Decomposition Temperature	: N.A.
Flammability (solid, gas)	: N.A.
Vapor Pressure	: N.A.
Relative Vapor Density at 20 °C	: N.A.
Relative Density	: N.A.
Specific Gravity	: N.A.
Specific gravity / density	: N.A.
Solubility in water	: Dispersible
Partition Coefficient: N-Octanol/Water	: N.A.
Viscosity	: N.A.
Lower Flammable Limit	: N.A.
Upper Flammable Limit	: N.A.
9.2. Other Information	
Substance Groups relevant properties	: N.A.
VOC Content	: 15 g/L

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Stable under normal conditions
- 10.2. Chemical Stability:** Data Not Available
- 10.3. Possibility of Hazardous Reactions:** None
- 10.4. Conditions to Avoid:** Stable under normal conditions
- 10.5. Incompatible Materials:** None in particular
- 10.6. Hazardous Decomposition Products:** None

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Toxicological Information of the mixture: There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

Naphthenic oil	a) acute toxicity	LC50 Inhalation Rat = 2,18000mg/l 4h LD50 Oral Rat > 500,00000mg/kg LD50 Skin Rabbit > 2000,00000mg/kg
Silica Sand	a) acute toxicity	LD50 Oral Rat = 500mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

Toxicological information on main components of the mixture:

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

Substance(s) listed on the IARC Monographs:

Silica Sand Group 1

Substance(s) listed on the OSHA Carcinogen(s):

Silica Sand

Substance(s) listed on the NIOSH Carcinogen(s):

Silica Sand

Substance(s) listed on the NTP report on Carcinogen(s):

Silica Sand

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Ecotoxicological information:

List of components with eco-toxicological properties:

Quantity	Component	Ident. Numb.	Ecotox Info.
0.1-1%	Silica Sand	CAS: 14808-60-7	LC50 a) Aquatic acute toxicity carp > 10000,00000 mg/L 72h

12.2. Persistence and Degradability: N.A.

12.3. Bioaccumulative Potential: N.A.

12.4. Mobility in Soil: N.A.

12.5. Other Adverse Effects: N.A.

Other Information :

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations:

Waste Disposal Recommendations: Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

Additional Information:

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SECTION 14: TRANSPORT INFORMATION

14. TRANSPORT INFORMATION

UN number

ADR-UN number: N/A
DOT-UN Number: N/A
IATA-Un number: N/A
IMDG-Un number: N/A

UN proper shipping name

ADR-Shipping Name: N/A
DOT-Proper Shipping Name: N/A
IATA-Technical name: N/A
IMDG-Technical name: N/A

Transport hazard class(es)

ADR-Class: N/A
DOT-Hazard Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

Packing group

ADR-Packing Group: N/A
DOT-Packing group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: No
Environmental Pollutant: N.A.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: N.A.

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): N/A
DOT-Label(s): N/A
DOT-Symbol: N/A
DOT-Cargo Aircraft: N/A
DOT-Passenger Aircraft: N/A
DOT-Bulk: N/A
DOT-Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: N/A
ADR-Hazard identification number: N/A
ADR-Tunnel Restriction Code: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Subrisk: N/A
IATA-Erg: N/A
IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Subrisk: N/A
IMDG-Special Provisions: N/A

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SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

TSCA – Toxic Substances Control Act

TSCA Inventory: All components are listed on the TSCA inventory.

TSCA Listed substances:

Glycidoxypropyltrimethoxysilane	is listed in TSCA	Section 8b
Silica Sand	is listed in TSCA	Section 8b

SARA – Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: No substances listed

Section 304 - Hazardous Substances: No substances listed

Section 313: Toxic chemical list: No substances listed

CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act

Substances listed under CERCLA: No substances listed

CAA – Clean Air Act

CAA listed substances: No substances listed

CWA – Clean Water Act

CWA listed substances: No substances listed

USA – State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65: Silica Sand Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know: Silica Sand

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know: Silica Sand

New Jersey Right to know

Substance(s) listed under New Jersey Right to know: Silica Sand

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 3/29/16

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Code	Description
H318	Causes serious eye damage
H319	Causes serious eye irritation
H350.A	May cause cancer if inhaled

Safety Data Sheet dated 4/10/2015 – version 1

Product code: 2205

Additional classification information



HMIS Health: 1 = Slight

HMIS Health – Is health hazard chronic? : Yes

HMIS Flammability: 1 = Combustible if heated

HMIS Reactivity: 0 = Minimal

HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 1 = Slight

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: N.A.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

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ADR: European Agreement concerning the International Carriage of Dangerous Goods by road.

RID: Regulation concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the International Air Transport Association (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the International Civil Aviation Organization (ICAO).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Timed Weighed Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion Coefficient.

GHS Full Text Phrases:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)