

# MATERIAL SAFETY DATA SHEET

Supplier: Johnsonite, Inc.  
16910 Munn Road, Chagrin Falls, Ohio 44023

Product: 950 Linoleum Adhesive

(800) 899-8916

## SECTION 1. PRODUCT IDENTIFICATION

PRODUCT NAME: JOHNSONITE 950 Linoleum Adhesive  
CHEMICAL FAMILY: Water Base Adhesive

## SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>
Proprietary Elastomeric Copolymer	Proprietary	10-30
Kaolin	1332-58-7	10-30
Limestone	1317-65-3	10-30
Naphthenic oil	64742-52-5	10-30
Hydrocarbon resin	68003-50-9	3-7
Resin acids and Rosin acids, esters with pentaerythritol	8050-26-8	3-7
Styrene acrylic polymer	25586-20-3	1-5
Acrylic polymer	31069-81-5	0.5-1.5

## SECTION 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is irritating to the eyes.

### HAZARD STATEMENTS

CAUTION! Irritating to eyes. Wear suitable gloves, eye/face protection, and respiratory protection. Keep out of the reach of children.

### POTENTIAL HEALTH EFFECTS:

EYE CONTACT: This product is irritating to the eyes.

SKIN CONTACT: This product may cause irritation to the skin.

INGESTION: Ingestion of this product may cause nausea, vomiting and diarrhea.

IMEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Hypersensitivity to product, allergies, and skin or respiratory disorders

POTENTIAL ENVIRONMENTAL EFFECTS: None identified.

## SECTION 4. FIRST AID MEASURES

**EYE CONTACT**: In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

**SKIN CONTACT**: For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

**INGESTION**: For ingestion, flush out mouth with water. If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

**INHALATION**: If inhaled, immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention.

### FIRST AID: NOTES TO PHYSICIAN:

Provide general supportive measures and treat symptomatically.

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## SECTION 5. FIRE-FIGHTING MEASURES

**GENERAL FIRE HAZARDS:** Not a fire hazard. This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard.

**FLASH POINT (°)F:** None.

**LOWER FLAMMABLE LIMIT:** None.

**UPPER FLAMMABLE LIMIT:** None.

**FIRE-FIGHTING INSTRUCTIONS:** Use protective clothing and self-contained breathing apparatus.

**EXTINGUISHING MEDIA:** Dry chemical preferred, CO<sub>2</sub>, water, and foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear appropriate protective equipment and clothing during clean-up.

**CONTAINMENT PROCEDURES:** Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container.

**CLEAN-UP PROCEDURES:** Attempt to reclaim the free product, if this is possible. Shovel the material into waste container. Thoroughly wash the area with water after a spill or leak clean-up. Keep out of the reach of children.

**EVACUATION PROCEDURES:** None identified.

**SPECIAL PROCEDURES:** Regulations vary. Consult local authorities before disposal.

## SECTION 7. HANDLING AND STORAGE

**HANDLING PROCEDURES:** Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists from this material. Wash hands after handling and before eating. Keep out of the reach of children.

**STORAGE PROCEDURES:** Store in a cool, dry, well-ventilated area. Store at ambient temperature and atmospheric pressure. Keep out of sun.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMITS

Kaolin (1332-58-7)

ACGIH:	2 mg/m <sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
OSHA (Final):	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
NIOSH:	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Alberta:	2 mg/m <sup>3</sup> TWA (respirable particulate)
British Columbia:	2 mg/m <sup>3</sup> TWA (respirable, particulate matter containing no asbestos and less than 1% crystalline silica)

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Manitoba:	2 mg/m <sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
New Brunswick:	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and < 1% crystalline silica, respirable fraction)
NW Territories:	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
Nova Scotia:	2 mg/m <sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
Nunavut:	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
Ontario:	2 mg/m <sup>3</sup> TWAEV (respirable, containing no asbestos and less than 1% crystalline silica)
Quebec:	5 mg/m <sup>3</sup> TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan:	2 mg/m <sup>3</sup> TWA (respirable fraction) 4 mg/m <sup>3</sup> STEL (respirable fraction)
Yukon:	30 mppcf TWA; 10 mg/m <sup>3</sup> TWA 20 mg/m <sup>3</sup> STEL

## Limestone (1317-65-3)

OSHA (Final):	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
NIOSH:	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)
Alberta:	10 mg/m <sup>3</sup> TWA
British Columbia:	10 mg/m <sup>3</sup> TWA (total dust); 3 mg/m <sup>3</sup> TWA (respirable fraction) 20 mg/m <sup>3</sup> STEL (total dust)
New Brunswick:	10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and < 1% crystalline silica)
NW Territories:	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
Nunavut:	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
Quebec:	10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan:	10 mg/m <sup>3</sup> TWA 20 mg/m <sup>3</sup> STEL
Yukon:	30 mppcf TWA; 10 mg/m <sup>3</sup> TWA 20 mg/m <sup>3</sup> STEL

### PERSONAL PROTECTIVE EQUIPMENT:

**EYE/FACE PROTECTION:** Wear safety glasses with side shields.

**SKIN PROTECTION:** The use of nitrile-latex gloves is recommended.

**RESPIRATORY PROTECTION:** Not normally needed. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

**GENERAL:** Launder contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.

**ENGINEERING CONTROLS:** Normal room ventilation. Site specific ventilation such as open windows and doors, with fans, where used in enclosed areas.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Beige paste. Slight latex odor

pH: 8.0 – 10.0

VAPOR PRESSURE: Not Applicable.

VAPOR DENSITY (air=1): Not Applicable.

BOILING POINT: >212°F, >100°C

SPECIFIC GRAVITY (WATER = 1): Not Applicable

VOLATILE ORGANIC COMPOUNDS: 20 grams / liter.

ADDITIONAL INFORMATION: The data provided in this section is to be used for product safety handling purposes. Please refer to Product Data Sheets, Certificates of Conformity or Certificates of Analysis for chemical and physical data for determinations of quality and for formulation purposes.

## SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Do not freeze.

INCOMPATIBILITY: This product may react with strong acids, bases and oxidizing agents.

HAZARDOUS DECOMPOSITION: Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product may emit fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, and other organic compounds.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ACUTE DOSE EFFECTS

**A: GENERAL PRODUCT INFORMATION:** No information available for the product.

**B: COMPONENT ANALYSIS - LD50/LC50**

NAPHTHENIC OIL (64742-52-5): Inhalation LC50 Rat: 2.18 mg/L/4H; Oral LD50 Rat:>5000 mg/kg; Dermal LD50 Rabbit:>2000 mg/kg

### CARCINOGENICITY

**A: GENERAL PRODUCT INFORMATION:** No information available for the product.

**B: COMPONENT CARCINOGENICITY**

KAOLIN (1332-58-7)

ACGIH:	A4 - Not Classifiable as a Human Carcinogen
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SENSITIZATION: No information available for the product.

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## SECTION 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

**A: GENERAL PRODUCT INFORMATION:** No information available for the product.

**B: COMPONENT ANALYSIS - ECOTOXICITY - AQUATIC TOXICITY**

NAPHTHENIC OIL (64742-52-5)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	

## SECTION 13. DISPOSAL CONSIDERATIONS

### US EPA WASTE NUMBER & DESCRIPTIONS

**A: GENERAL PRODUCT INFORMATION**

No additional information available.

**B: COMPONENT WASTE NUMBERS**

No EPA Waste Numbers are applicable for this product's components.

### DISPOSAL INSTRUCTIONS

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

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## SECTION 14. TRANSPORT INFORMATION

For domestic transportation purposes, this product is not designated as a hazardous material by the U.S. Department of Transportation.

International Transportation Regulations Not regulated as dangerous goods.

## SECTION 15. REGULATORY INFORMATION

**TSCA:** The components of this product are listed on the TSCA inventory. All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List unless otherwise noted.

**COMPONENT ANALYSIS:** None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

### STATE REGULATIONS

**A: GENERAL PRODUCT INFORMATION:** Other state regulations may apply. Check individual state requirements.

**B: COMPONENT ANALYSIS – STATE:** The following components appear on one or more of the following state hazardous substances lists:

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Component	CAS	CA	MA	MN	NJ	PA	RI
Kaolin	1332-58-7	No	Yes	Yes	Yes	Yes	Yes
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes	Yes

## CANADIAN WHMIS INFORMATION

### A: GENERAL PRODUCT INFORMATION

### B: COMPONENT ANALYSIS - WHMIS IDL

No components are listed in the WHMIS IDL

## ADDITIONAL REGULATORY INFORMATION

### A: GENERAL PRODUCT INFORMATION

Supplier(s) of proprietary component(s) state that these components are contained on the TSCA inventory.

### B: COMPONENT ANALYSIS - INVENTORY

Component	CAS #	TSCA	CAN	EEC
Kaolin	1332-58-7	Yes	DSL	EINECS
Limestone	1317-65-3	Yes	NDSL	EINECS
Naphthenic oil	64742-52-5	Yes	DSL	EINECS
Hydrocarbon resin	68003-50-9	Yes	DSL	No
Resin acids and Rosin acids, esters with pentaerythritol	8050-26-8	Yes	DSL	EINECS
Styrene acrylic polymer	25586-20-3	Yes	DSL	No
Acrylic polymer	31069-81-5	Yes	DSL	No

## CALIFORNIA VOC (Volatile Organic Compound) COMPLIANCE:

Solvent Free Product

SCAQMD Rule 1168      Grams of VOC 20 gram/liter

## SECTION 16. OTHER INFORMATION

HMIS RATINGS:    Health = 1      Flammability = 0      Reactivity = 0

Personal Protective Equipment = Safety Glasses and Gloves

Hazard rating scale:    0=Minimal      1=Slight      2=Moderate      3=Serious      4=Severe

Johnsonite believes the statements, technical information and recommendations contained herein are reliable. They are given without warranty or guarantee of any kind, expressed or implied.

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