

# MATERIAL SAFETY DATA SHEET

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

Product: 986 Terra-Turf Adhesive

24-Hour Emergency Telephone - Chemtrec: (800-424-9300)

## SECTION 1. PRODUCT IDENTIFICATION

PRODUCT NAME: JOHNSONITE 986  
CHEMICAL FAMILY: Water Base Adhesive

## SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Methanol	67-56-1	2.3	200 ppm, skin	200 ppm, skin

## SECTION 3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Skin, inhalation, eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause slight to moderate irritation with redness, tearing, stinging.

SKIN CONTACT: May cause slight irritation.

INGESTION: Exposure to a single small amount of ingested material may cause discomfort to digestive tract, including upset stomach and diarrhea. See Section 11 for effects of ingestion of large amounts of methanol.

INHALATION: May cause slight discomfort.

CHRONIC: Continued exposure to concentrated vapors may result in dizziness, drowsiness, fatigue, and headache. See Section 11 for chronic exposure information regarding methanol.

CARCINOGENICITY: This product contains no ingredient above the OSHA minimum reporting threshold listed as a carcinogen by IARC, NTP, or OSHA.

## SECTION 4. FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. Call physician if irritation occurs.

SKIN CONTACT: Wash with soap and water.

INGESTION: Do not induce vomiting. Contact a physician immediately.

INHALATION: Move person to fresh air.

## SECTION 5. FIRE-FIGHTING MEASURES

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: Water fog, CO<sub>2</sub>, dry chemical, and chemical foam.

DECOMPOSITION PRODUCTS: Dried material may produce CO, CO<sub>2</sub>, NO<sub>x</sub>, and hydrocarbons.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Scoop or shovel spill material into secure container(s) for reuse or disposal. Dispense sand, sawdust, or vermiculite and absorb residue. Collect and place in waste container. Wash area thoroughly with water.

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## SECTION 7. HANDLING AND STORAGE

HANDLING: Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.)

\*\*\* Keep out of the reach of children. \*\*\*

STORAGE: Store above 40° F. Freeze-thaw stable up to five cycles at 20° F.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear safety glasses or goggles where contact is possible.

SKIN PROTECTION: Wear impermeable rubber gloves.

RESPIRATORY PROTECTION: Not normally required with good ventilation. In situations where vapors may accumulate or concentrate due to poor ventilation or enclosed work spaces a NIOSH approved respirator with organic cartridge that removes methanol is recommended.

ENGINEERING CONTROLS: Good room ventilation including open windows, fans, open doors to prevent build-up of concentrated vapor in work area and maintain permissible exposure limits (PEL) during application.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F): 212

SPECIFIC GRAVITY (WATER = 1): .99

VAPOR PRESSURE: Slightly less than water.

VAPOR DENSITY (air=1): Same as water.

% VOLATILE BY WEIGHT: 33

pH: 8.0

APPEARANCE AND ODOR: Tan paste with mild sweet odor..

## SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

## SECTION 11. TOXICOLOGICAL INFORMATION

Methanol: Methanol is a mild eye, skin, and respiratory irritant under acute exposure conditions. It is absorbed through the skin. Chronic ingestion or skin absorption is poisonous and can result in damage to the liver, kidneys, pancreas, heart, lungs, brain, and eyes. Chronic ingestion effects to eyes can include visual impairment and blindness.

## SECTION 12. ECOLOGICAL INFORMATION

Expected to readily biodegrade.

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## SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local regulations.

## SECTION 14. TRANSPORT INFORMATION

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

## SECTION 15. REGULATORY INFORMATION

TSCA: The components of this product are listed on the TSCA inventory.

SARA TITLE III:

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
[ ]	[ X ]	[ ]	[ ]	[ ]

Section 313 Chemicals:

<u>Chemical Name</u>	<u>CAS#</u>	<u>% by Weigh</u>
Methanol	67-56-1	2.3

HAZARDOUS AIR POLLUTANTS (HAPs): Methanol

CALIFORNIA VOC (Volatile Organic Compound) COMPLIANCE:

Contains Solvent

SCAQMD Rule 1168 VOC Compliant

SCAQMD Rule 443.1: Grams of VOC per Liter of Material < 33 grams/liter

Grams of VOC per Liter of Coating < 24 grams/liter

## SECTION 16. OTHER INFORMATION

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

Personal Protective Equipment = B

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

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