

SECTION 1: Identification and Company Details

Product Name: ROBERTS R6030 Outdoor Carpet Adhesive
Product Code: R6030
Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721
Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: (706) 277-5294
Recommended Use: Adhesive

SECTION 2: Hazard(s) Identification

OSHA / HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: FLAMMABLE LIQUID – Category 2
SKIN CORROSION / IRRITATION – Category 2
SERIOUS EYE DAMAGE / EYE IRRITATION – Category 2A
CARCINOGENICITY – 1A
REPRODUCTIVE TOXIN- Category 1A
ASPIRATION HAZARD- Category 1

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause cancer
May damage fertility or the unborn child



Hazard Pictograms:

Precautionary Statements: Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat/sparks/open flames/hot surfaces- No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection
Specific treatment – treat symptomatically.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse.
IF ON SKIN: Wash with soap and water.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or a rash occurs: Get medical advice/attention.
Get medical advice/attention. Call a POISON CENTER or doctor/physician if needed.
Store locked up.
Dispose of contents/container in accordance with local authority requirements.

SECTION 3: Composition / Information on Ingredients

	<u>Weight %</u>	<u>CAS #</u>
Methyl Alcohol	23.00%	67-56-1
Inert Filler	22.00%	1332-58-7
Toluene	14.00%	108-88-3
Marble Dust	6.00%	1317-65-3
Quartz	0.20%	14808-60-7
Titanium Dioxide	0.20%	13463-67-7

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding. During normal usage of the product as recommended, airborne dusts will not be present

SECTION 4: First-Aid Measures

Inhalation: Move victim to fresh air. Consult physician if necessary.
Skin Contact: Wash with soap and water. Remove contaminated clothing. Consult physician if necessary.
Eye Contact: Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if possible. Consult physician if necessary.
Ingestion: Do not induce vomiting. Wash mouth with water. Consult physician.
Note to Physician: **Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation. **Skin:** This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. **Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. **Respiratory:** Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

SECTION 5: Fire-Fighting Measures

Flash Point: 4°C (39°F)
LEL: 1.00
Extinguishing Media: In case of fire use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.
Hazardous Combustion Products: Aldehydes, hydrocarbons, carbon monoxide, carbon dioxide
Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Water may not effectively extinguish fire; however, it should be used to keep fire- exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental Release Measures

Personal Precautions: Use protective gloves, goggles and suitable protective clothing. Ventilate the area with fresh air. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.
Environmental Precautions: Do not allow product to get into drains, soil, or surface water.

Methods of Clean-up: Contain spill. Cover spill area with fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and Storage

Handling Precautions: Provide good ventilation. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.)

Storage: Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in closed original at temperatures between 5°C and 30°C/ 40°F and 86°F. Protect from freezing and direct sunlight. Store away from oxidizing agents.

SECTION 8: Exposure Control / Personal Protection

Exposure Guidelines: Not determined

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment:

Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol).

Eye/Face Protection - Glasses with side shields, chemical splash goggles and/or face shield.

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methyl Alcohol/67-56-1	200 ppm TWA; 260mg/m ³ TWA	250 ppm STEL; 200 ppm TWA	NIOSH: 200 ppm TWA; 260mg/m ³ TWA; 250 ppm STEL; 325 mg/m ³ STEL
Inert Filler/1332-58-7	15mg/m ³ TWA (total dust) 5mg/m ³ TWA (respirable)	2mg/m ³ TWA (particulate matter containing no asbestos and <1% Crystalline silica, respirable)	NIOSH: 10mg/m ³ TWA (total dust); 5mg/m ³ TWA (respirable)
Toluene/108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375mg/m ³ TWA 150 ppm STEL; 560mg/m ³ STEL
Marble Dust/1317-65-3	15mg/m ³ TWA (total dust) 5mg/m ³ TWA (respirable)	Not Established	NIOSH: 0.05mg/m ³ TWA (respirable dust)
Quartz/14808-60-7	Not Established	0.025mg/m ³ TWA (respirable)	NIOSH 0.05mg/m ³ TWA (respirable dust)
Titanium Dioxide/ 13463-67-7	15mg/m ³ TWA (total dust)	10mg/m ³ TWA	Not Established

SECTION 9: Physical and Chemical Properties

Appearance: Greenish-tan mastic
Odor: Characteristic solvent odor
Relative Density: 1.04
Odor Threshold: Not available
Solubility: Negligible
pH: N/A
Partition Coefficient: n-octanol/water; Not determined
Melting Point: Not determined
Freezing Point: Not determined
Auto-ignition Temperature: Not determined
Flash Point: 4°C (39°F)

Decomposition Temperature: Not determined
Evaporation Rate: Not determined
Viscosity: Not determined
Flammability (Solid/Gas): Not applicable
Upper/Lower Flammability: Not determined
VOC Content: 217 g/L
Vapor Pressure: 96 mmHg
Vapor Density: 1.1
Boiling Point: 65°C/149°F

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.
Conditions to Avoid: Excessive heat (sparks and/or flames), direct sunlight and/or frost.
Materials to Avoid: Strong oxidizing agents.

SECTION 11: Toxicological Information

Mixture Toxicity: LC50: 87mg/L
Acute toxicity:
Ingestion: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
Skin Contact: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Component Toxicity: Toluene/108-88-3
 Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13mg/L (Rat)

	<u>CAS Number</u>	<u>%Weight</u>
Titanium Dioxide	13463-67-7	0.2
Quartz	14808-60-7	0.2

SECTION 12: Ecological Information

Component Ecotoxicity: Methyl Alcohol
 96 hour LC50 Pimephales promelas: 28200 mg/L [flow-through];
 96 hour LC50 Pimephales promelas: >100 mg/L [static]
 96 hour LC50 Oncorhynchus mykiss:19500-20700 mg/L [flow-through]
 96 hour LC50 Oncorhynchus mykiss:18-20 mL/L [static]
 96 hour LC50 Lepomis macrochirus:13500-17600 mg/L [flow-through]
 Toluene
 96 hour LC50 Pimephales promelas: 15.22-19.05 mg/L [flow-through] (1 day old)
 96 hour LC50 Pimephales promelas: 12.6 mg/L [static]
 96 hour LC50 Oncorhynchus mykiss: 5.89-7.81 mg/L [flow-through]
 96 hour LC50 Oncorhynchus mykiss:14.1-17.16 mg/L [static]
 96 hour LC50 Oncorhynchus mykiss:5.8 mg/L [semi-static]
 96 hour LC50 Lepomis macrochirus: 11.0-15.0 mg/L [static]
 96 hour LC50 Oryzias latipes: 54 mg/L [static]
 96 hour LC50 Poecilia reticulata: 28.2 mg/L [semi-static]
 96 hour LC50 Poecilia reticulata: 50.87-70.34 mg/L [static]

48 hour EC50 Daphnia magna: 5.46-9.83 mg/L [Static]
 48 hour EC50 Daphnia magna: 11.5mg/L
 96 hour EC50 Pseudokirchneriella subcapitata: >433 mg/L
 72 hour EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

SECTION 13: Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local authority requirements. Incineration is the preferred method of disposal.
Wastes or Residues: Same as above.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **(49CFR172.101-102): Adhesives (containing flammable solvents)**
 DOT Packing Group: II
 DOT Hazard Class: 3
 DOT Label: **(49CFR172.101-102): Flammable**
 UN Number: **1133**
 D.O.T. PLACARDS REQUIRED **(49CFR172.504): Flammable**
 Bill of Lading Description: **Adhesive, N.O.S (Toluene, Methyl Alcohol), Flammable liquid**

Ocean: Proper Shipping Name: **Adhesives**
 Sea – IMO/IMDG Class: 3
 UN Number: 1133
 Packing Group: II

Air: Proper Shipping Name: **Adhesives**
 Air – ICAO/IATA Class: 3
 UN Number: 1133
 Packing Group: II

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.
TSCA: The components of this product are contained on the chemical substance inventory list
OSHA: This product is a 'Hazardous Chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
IARC: Not carcinogenic
OSHA PEL's Toluene/108-88-3
Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
Toluene	108-88-3	14	1,000 lbs
Methyl Alcohol	67-56-1	23	5,000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

NJ RTK

- 13463-67-7 Titanium Dioxide
- 14808-60-7 Quartz
- 1317-65-3 Marble Dust
- 108-88-3 Toluene
- 1332-58-7 Inert Filler

Pennsylvania RTK

- 13463-67-7 Titanium Dioxide
- 14808-60-7 Quartz
- 1317-65-3 Marble Dust
- 108-88-3 Toluene
- 1332-58-7 Inert Filler

SARA 302 Extremely Hazardous Substances - None

Massachusetts RTK

- 13463-67-7 Titanium Dioxide
- 14808-60-7 Quartz
- 1317-65-3 Marble Dust
- 108-88-3 Toluene
- 1332-58-7 Inert Filler

EPA Hazard Classifications:

Acute	Chronic	Fire	Pressure	Reactive
Hazard	Hazard	Hazard	Hazard	Hazard
Yes	Yes	Yes	No	No

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material.

Components present in this product at level which could require reporting under the statute are:

Toluene/108-88-3

Methyl Alcohol/67-56-1

Canada DSL: This material is listed or exempted.

California Proposition 65: Warning: This product can expose you to chemicals including Toluene (108-88-3), which is known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH-2, FLAMMABILITY-3 REACTIVITY-0, PERSONAL PROTECTION-B

Prepared by: Roberts Consolidated Product Safety & Regulatory Compliance Group, (706) 277-5294

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts Consolidated urges users of this product to evaluate its suitability and compliance with local regulations as Roberts Consolidated cannot foresee the final use of the product, nor the final location of usage.

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