

SECTION 1: Identification and Company Details

Product Name: ROBERTS 40 SUBFLOOR & DECK
Product Code: 40

Manufacturer/ Supplier: Roberts Canada Ltd.
Address: 34 Hansen Road S.
Brampton, ON L6W 3H4

Emergency Phone: 1(888) 226-8832 (24-hour Response / CANUTEC)
Product Information: (905) 791-4444

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 corrosive- Category 2
Eye corrosive – 2A (Eye irritant: Subcategory 2A)
Carcinogen- Category 1B
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 thoroughly after handling
Use personal protective equipment as required
Do NOT induce vomiting
Take off contaminated clothing and wash before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: Wash with soap and water

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 irritation or a rash occurs: Get medical advice/ attention

In case of fire: Use firefighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish

Store locked up

Store in a well ventilated place. Keep container tightly closed and cool.

Dispose of contents/ container in accordance with local authority requirements. Incineration is the preferred method of disposal.

SECTION 3: Composition / Information on Ingredients	Weight %	CAS #
ALIPHATIC PETROLEUM DISTILLATES (A.P.D, LACOLENE)	2%	64742-89-8
Inert Filler	23%	1332-58-7
Marble Dust	11%	1317-65-3
TOLUENE	13%	108-88-3
Hexane	8%	110-54-3
Titanium Dioxide	0.2%	13463-67-7
Quartz	0.2%	14808-60-7

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:	-22°C (-8°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:	No particular hazards known.
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 a 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 (eg. chlorine, chromic acid etc.)

Storage: Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in closed original container 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.

<u>Chemical Name / CAS No.</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
ALIPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE)/ 64742-89-89	Not Established	Not Established	Not Established
Hexane/ 110-54-3	500ppm TWA; 1800mg/m3 TWA	50ppm TWA	NIOSH: 50ppm TWA; 180mg/m3 TWA
Toluene/108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375mg/m3 TWA 150 ppm STEL; 560mg/m3 STEL
Inert Filler/1332-58-7	15mg/m3 TWA(total dust) 5mg/m3 TWA (respirable)	2mg/m3 TWA (particulate matter containing no asbestos and <1% Crystalline silica, respirable)	NIOSH: 10mg/m3 TWA (total dust); 5mg/m3 TWA (respirable)
Marble Dust/1317-65-3	15mg/m3 TWA (total dust) 5mg/m3 TWA (respirable)	Not Established	NIOSH: 0.05mg/m3 TWA (respirable dust)
Quartz/14808-60-7	Not Established	0.025mg/m3 TWA (respirable)	NIOSH 0.05mg/m3 TWA (respirable dust)
Titanium Dioxide/ 13463-67-7	15mg/m3 TWA (total dust)	10mg/m3 TWA	Not Established

SECTION 9: Physical and Chemical Properties

Appearance: Heavy brown paste
Odor: Aromatic solvent odor
Relative Density: 1.22
Odor Threshold: Not available
Solubility: Negligible
pH: No data
Partition Coefficient: n-octanol/water; Not determined
Melting Point: Not determined
Freezing Point: Not determined
Auto-ignition Temperature: No data
Flash Point: -22°C/ -8°F
Decomposition Temperature: Not determined
Evaporation Rate: Not determined
Viscosity: Not determined
Flammability (Solid/Gas): Not applicable
Upper/Lower Flammability: Not determined
VOC Content: 397 grams/liter
Vapor Pressure (mmHg at 20c): 123.7
Boiling Point: 156° 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**

Inhalation Toxicity LC50: 65mg/L

Component Toxicity

64742-89-8	ALIPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE) Oral LD50: 5,000 mg/kg (Mouse) Dermal LD50: 3,000mg/kg (Rabbit)
110-54-3	Hexane Dermal LD50: 3,000mg/kg (Rabbit)
108-88-3	TOLUENE Oral LD50: 2,600mg/kg (Rat) Inhalation LC50: 13mg/L (Rat)

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.

	<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**

ALIPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE)	72 Hr EC50 Pseudokirchneriella subcapitata : 4,700 mg/L
TOLUENE	96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]
Hexane	Pimephales promelas (fathead minnow) - 2.5 mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 3,878.00 mg/l - 48 h Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 12,840.00 mg/l - 3 h EC50 - SKELETOMA - 0.30 mg/l - 8 h

Mobility and Bioaccumulation Potential: Not determined

Degradation: Not determined

Aquatic Toxicity: Not determined

LC50 – 24 hour (Static): Not determined

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 ethyl ketone, ALIPHATIC PETROLEUM DISTILLATES (A.P.D, LACOLENE)
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	13	1000 lbs
Hexane	110-54-3	8	5000 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
110-54-3 Hexane

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
110-54-3 Hexane

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
110-54-3 Hexane

EPA Hazard Classifications:

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

Hexane/110-54-3

Canada DSL: This material is listed or exempted.

California Proposition 65: Warning: This product contains chemicals known to the State of California to cause developmental toxicity: **Toluene/108-88-3**

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.

Date of issue: 11/13/2017