



Safety Data Sheet

Revision Date: 10/03/2018

SECTION 1: Identification and Company Details

Product Name: 2038 Asphalt Emulsion VCT Adhesive
Product Code: 2038
Manufacturer/ Supplier: Roberts Canada Ltd.
Address: 34 Hansen Road S.
Brampton, ON L6W 3H4
Phone: (905) 791-4444 9am-5pm EST
Emergency Phone: (888) 226-8832 (CANUTEC) 24 hour response
Recommended Use: Adhesive

SECTION 2: Hazard(s) Identification

WHMIS/OSHA: This material is considered hazardous by WHMIS 2015 and the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: Acute Toxicity, Oral, Category 4
(WHMIS 2015, OSHA HCS 2012) Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 2A

Signal Word: Warning
Hazard Statements: Harmful if swallowed.
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation



Hazard Pictograms:

Precautionary Statements: Avoid breathing vapours
Wash hands thoroughly after handling.
Wear eye protection, protective clothing, protective gloves
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
If swallowed, do NOT induce vomiting.
Dispose of contents/container to licensed waste handling facility.

SECTION 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>Weight %</u>	<u>LD50 rat, oral</u>	<u>LC 50 rat, inhalation</u>
Asphalt Cement (as Fume)	8052-42-4	47	NA	NA
Rosin	8050-09-7	1.3	3 mg/kg	110 mg/cubic m
Potassium Hydroxide	1310-58-3	0.4	214mg/kg	NA
Lignin, Sodium Salt	37203-80-8	0.4	NA	NA
Sodium Hydroxide	1310-73-2	0.4	40 mg/kg (Intraperitoneal)	NA

SECTION 4: First-Aid Measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (Show the label where possible).

First-aid measures after inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact: IF ON SKIN: Immediately rinse with plenty of soap and water (for at least 15 minutes). If skin irritation occurs, get medical advice/attention.

First-aid measures after eye contact: IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation occurs, get medical advice/attention.

First-aid measures after ingestion: Rinse Mouth. IF SWALLOWED call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: Inhalation in high concentrations may cause adverse lung effects including coughing and shortness of breath.

Symptoms/injuries after skin contact: May cause itching and redness. Contact during a long period may cause a sensitization reaction in some individuals where repeat exposures will result in an allergic skin reaction.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely to cause redness, itching and pain.

Symptoms/injuries after ingestion: Acute ingestion may cause nausea, gastric pain, vomiting and diarrhea.

Chronic symptoms: No data available.

SECTION 5: Fire-Fighting Measures**Extinguishing media**

Suitable extinguishing media: Dry chemical, Carbon dioxide, Foam. Waterjet may spread the burning material.

Hazardous Combustion Products

Carbon dioxide, carbon monoxide, hydrogen sulphide, unknown by-products of combustion

Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General measures: Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with full chemical protective gear (see Section 8).

For non-emergency personnel

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters environment in reportable quantities

Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

Reference to other sections

No additional information available.

SECTION 7: Handling and Storage

Precautions for safe handling

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool place. Protect from freezing.

Protect from extreme heat.

Specific end use(s)

No additional information available

SECTION 8: Exposure Control / Personal Protection

No exposure limits have been established for the product itself. Below are exposure limits for the main components in the product.

8052-42-4 Asphalt 0.5 mg/m³ (fume, inhalable fraction)

8050-09-7 Rosin NAv

Personal Protection:

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be butyl rubber, nitrile rubber, pvc or polyvinyl alcohol.

Eye protection: Eye protection, including both chemical goggles or safety glasses as appropriate for the job

Skin and body protection: Wear suitable protective clothing to prevent contact.

Respiratory protection: An approved organic vapor respirator when vapor concentration exceeds applicable exposure limits

SECTION 9: Physical and Chemical Properties

Physical state:	Thick Liquid
Appearance	Black
Color:	Black
Odor:	Petroleum odor
Odor Threshold:	No data available
pH:	10-11.4
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	100 °C (212 °F)
Flash point:	>93.3 °C (200 °F) Cleveland Open Cup
Self-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	< 1 mm Hg @ 20°C
Relative vapor density at 20 °C:	Heavier than air.
Relative density:	No data available
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limit:	No data available
VOC content:	1.7 g/l

*When determining VOC content in accordance with the requirements set forth by the Ozone Transport Commission (OTC), effective 01-01-2009

SECTION 10: Stability and Reactivity

Reactivity: No dangerous reactions known under normal conditions of use.

Chemical stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions: None known.

Conditions to avoid: Extreme Heat.

Incompatible materials: Avoid contact with: Oxidizing agent.

Hazardous decomposition products: Thermal decomposition generates: Carbon oxides (CO, CO₂) Sulphur oxides and other toxic vapors common to thermal degradation of organic compounds

SECTION 11: Toxicological Information

Routes of Exposure:	Inhalation	Skin Absorption	Skin and Eyes	Ingestion
	Yes	No	Yes	Yes

Acute toxicity	Oral, Category 4
Skin corrosion/irritation:	Skin Irritant Category 2
Serious eye damage/irritation:	Serious Eye Irritant Category 2A
Respiratory:	Not classified
Skin Sensitization:	Skin Sensitization, Category 1
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	None known.

SECTION 12: Ecological Information

Ecotoxicity:	No additional information available
Persistence and degradability:	No additional information available
Bioaccumulative potential:	No additional information available
Mobility in soil:	No additional information available
Other adverse effects:	No additional information available

SECTION 13: Disposal Considerations

Waste treatment methods: Incinerate or bury dried material in landfill in accordance with federal, state and local regulations. For liquid material dispose of in licensed facility in accordance with federal, state, and local regulations

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport Information

In accordance with DOT Transport document description:	Adhesive
Department of Transportation (DOT) Hazard Classes:	Not Regulated

Other information

Bill of Lading Description:	ADHESIVE, NOS	UN/NA code: n/a
Transport by sea:	No additional information available	
Air transport:	No additional information available	
Remarks:	No dangerous goods in the meaning of USDOT, IMDG, IATA/IMO	

SECTION 15: Regulatory Information

US Federal regulations

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory

CERCLA Reportable Quantity: Not listed as a CERCLA hazardous substance

SARA Section 311/312 Hazard Classes: Immediate (Acute) Health Hazard
Chronic Health Hazard

SARA Section 313: Not subject to SARA notification requirements since it does not contain any toxic chemical over de minimus concentrations

CANADA

All ingredients are on the DSL or exempt

US State regulations

Asphalt (CAS#8052-42-4) (CA,MA, MN,NJ,PA,RI): Rosin (CAS#8050-09-7) (MN) Potassium Hydroxide (CAS#1310-58-3) (MA,PA,NJ)

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with WHMIS 2015 and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS III Rating

Health : 2; Flammability : 1; Physical : 0; Personal Protection : Gloves, safety glasses

Prepared by: Roberts Product Safety & Regulatory Compliance Group, (905) 791-4444

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

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