

**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, 9 a.m. to 5 p.m. (ET)  
**Emergency Phone:** (888) 226-8832 (CANUTEC) Response within 24 hours  
**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 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.  
irritates the skin  
May cause an allergic skin reaction  
Causes serious eye irritation



**Hazard pictograms:**

**Precautionary statements :** Avoid breathing vapors  
Wash hands thoroughly after handling.  
Wear eye protection, protective clothing, protective gloves  
IF ON SKIN: Wash with plenty of soap and water.  
In case of skin irritation: Consult a doctor. Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Distance contact lenses, if present and easy to use. Continue rinsing.  
If eye irritation persists: Get medical attention.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor. If swallowed, do NOT induce vomiting.  
Dispose of contents or container at authorized waste handling facility.

**SECTION 3 : Composition/information on ingredients**

<u>Chemical name</u>	<u>CASE #</u>	<u>Weight %</u>	<u>LD50 rat, oral</u>	<u>LC 50 rat, inhalation</u>
Asphalt cement (as smoke)	8052-42-4	47	N / A	N / A
Rosine	8050-09-7	1.3	3mg/kg	110mg/m3
Potassium hydroxide	1310-58-3	0.4	214mg/kg	N / A
Lignin, sodium salt	37203-80-8	0.4	N / A	N / A
Sodium hydroxide	1310-73-2	0.4	40mg/kg  (intraperitoneal)	N / A

**SECTION 4 : First Aid Measures**

**General first aid measures:** 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 if you feel unwell.

**First Aid After Skin Contact:** IF ON SKIN: Rinse immediately with plenty of soap and water (for at least 15 minutes). If skin irritation occurs, seek medical attention.

**First aid after eye contact:** IF IN EYES: Rinse immediately and thoroughly, keeping eyelids away from eye (15 minutes minimum). Remove contact lenses, if present and easy to remove. Continue rinsing. If eye irritation occurs, seek medical attention.

**First aid after ingestion:** Rinse mouth. IF SWALLOWED, call a POISON CENTER or doctor. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Symptoms/Injuries After Inhalation: Inhalation of high concentrations may cause adverse lung effects including coughing and shortness of breath .

Symptoms/Injuries After Skin Contact: May cause itching and redness. Contact for a long time may cause sensitization reaction in some people when repeated exposures cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Direct contact with eyes may cause redness, itching and pain.

Symptoms/Injuries After Ingestion: Acute ingestion may cause nausea, stomach pain, vomiting and diarrhea. Chronic symptoms: No data available.

**SECTION 5 : Fire-fighting Measures****Extinguishing agent**

Suitable extinguishing media: Dry chemical, carbon dioxide, foam. The water jet can spread the hot material.

**Hazardous Combustion Products**

Carbon dioxide, carbon monoxide, hydrogen sulfide, unknown combustion by-products

**Tips for firefighters**

**Fire Fighting Instructions:** Use water spray or fog to cool exposed containers. Exercise caution in battle any chemical fire. Do not dispose of firefighting water into 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 the area. Stay upwind. Ventilation area. The spill should be handled by trained cleanup crews wearing full chemical protective equipment (see Section 8).

#### **For non-emergency personnel**

Protective Equipment: Wear protective equipment described in Section 8. Emergency Procedures: Evacuate unnecessary personnel.

#### **For emergency responders**

Protective Equipment: Wear appropriate protective clothing, gloves and eye or face protection.

#### **Environmental precautions**

Prevent access to sewers and public waters. Notify authorities if liquid is entering the environment in reportable quantities

#### **Methods and materials for containment and cleaning up**

Containment: spills containers with dams or absorbents prevent migration and entry into sewers or streams. Methods for cleaning up: Absorb spills with inert solids, such as clay or diatomaceous earth, as soon as possible. Place in an appropriate container for disposal in accordance with waste regulations (see section 13).

#### **Reference to other sections**

No additional information available.

## **SECTION 7 : Handling and Storage**

### **Safe Handling Precautions**

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Wash your hands and other exposed areas with mild soap and water before eating, drinking or smoking and working. Provide good ventilation in processing area to prevent vapor formation. Don't breathe the mist.

### **Conditions for safe storage, including any incompatibilities**

Storage Requirements: Store only in original container in a cool place. Protect against freezing. Protect against extreme heat.

### **Specific end use**

No additional information available

## **SECTION 8 : Exposure Control/ Personal Protection**

No exposure limit has been established for the product itself. Below are the exposure limits for the main components of the product.

8052-42-4 Asphalt 0.5 mg/m<sup>3</sup> ( vapours, inhalable fraction)  
8050-09-7 Rosin NAv

### **Personal Protection:**

**Hand Protection:** Use chemical resistant gloves where prolonged or repeated contact may occur. Gloves should be butyl rubber, nitrile rubber, PVC or polyvinyl alcohol.

**Eye Protection:** Eye protection, including chemical goggles or safety glasses appropriate for the job

**Skin and Body Protection:** Wear appropriate protective clothing to prevent contact.

**Respiratory Protection:** Approved organic vapor respirator when vapor concentration exceeds applicable exposure limits

## SECTION 9 : Physical and Chemical Properties

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

\*To determine VOC content in accordance with requirements established by the Ozone Transport Commission (OTC), effective 01-01-2009

## SECTION 10 : Stability and Reactivity

**Reactivity:** No dangerous reaction known under conditions of normal 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: Oxides of carbon (CO, CO<sub>2</sub>) Oxides of sulfur and other toxic vapors common to thermal degradation of organic compounds

## SECTION 11: Toxicological Information

<b>Routes of Exposure:</b>	Inhalation	Dermal absorption	Skin and eyes	Ingestion
	Yes	No	Yes	Yes

acute toxicity	Oral, category 4
Skin Corrosion/Irritation:	Category 2 skin irritant
Serious eye damage/irritation:	Serious eye irritant Category 2A
Respiratory:	Not classified
Skin sensitization:	Skin sensitization, category 1 Not classified
Germ cell mutagenicity: 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:	Not classified
	Not known.

## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	No additional information available
<b>Persistence and degradability:</b>	No additional information available
<b>Bioaccumulative potential:</b>	No additional information available
<b>Mobility in soil:</b>	No additional information available
<b>Other side effects:</b>	No additional information available

## SECTION 13: Disposal Considerations

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

**Waste Disposal Recommendations:** Dispose of waste safely in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14 : Transportation Information

<b>As described in DOT document:</b>	Adhesive
<b>Department of Transportation Hazard Classes:</b>	Not Regulated

### Other informations

<b>Bill of Lading Description:</b>	ADHESIVES, NOS	UN/NA Code: N/A
<b>Shipping:</b>	No additional information available	
<b>Air transport:</b>	No additional information available	
<b>Remarks:</b>	No dangerous goods within the meaning of USDOT, IMDG, IATA/IMO	

## **SECTION 15 : Regulatory Information**

### **US federal regulations**

All chemicals in this product are listed on the Environmental Protection Agency's (EPA) Toxic Substances Control Act (TSCA) inventory.

**CERCLA Reportable Quantity:** Not Listed as a CERCLA Hazardous Substance

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

**Section 313 of SARA:** Not subject to SARA reporting requirements as it does not contain toxic chemicals at concentrations above the minimum threshold

### **CANADA**

All ingredients are listed on the DSL or exempt

### **US state regulations**

Asphalt (CAS no 8052-42-4) (CA ,MA , MN,NJ,PA,RI): Rosin (CAS no 8050-09-7) (MN) Potassium hydroxide (CAS no 1310-58-3) ( MA,PA,NJ)

## **SECTION 16 : Other Information**

This Material Safety Data Sheet is prepared in accordance 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

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