

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name Sylvaros Rosin

CAS number 8050-09-7

Synonyms None

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory

#### 1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC  
12501 Pauls Valley Road  
Austin, Texas 78737  
U.S.A.

Telephone 512-668-9918

Fax 512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2 GHS Label elements, including precautionary statements

Pictogram None

Signal Word None

Hazard statements	May form combustible dust concentrations in air.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Prevent dust accumulation to minimize explosion hazard. Observe good industrial hygiene practices.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

May form combustible dust concentrations in air.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Rosin	-	8050-09-7	99-100%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

If inhaled	Move to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
In case of eye contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
If swallowed	Rinse mouth. Get medical attention if symptoms occur.

### 4.2 Most important symptoms and effects, both acute and delayed

Dusts may irritate the respiratory tract, skin and eyes.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Apply extinguishing media carefully to avoid creating airborne dust.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2 Specific hazards arising from the substance or mixture**

High concentration of airborne dust may form explosive mixture with air. Static charges generated by emptying package in or near flammable vapor may cause flash fire. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**5.3 Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**5.4 Further information**

In case of fire and/or explosion do not breathe fumes. Wear suitable protective equipment. Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards May form combustible dust concentrations in air.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**6.2 Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

#### 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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

##### Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS).

##### Incompatibilities

See section 10

### SECTION 8: Exposure controls/personal protection

#### 8.1 Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Dust	TWA	5 mg/m <sup>3</sup>

##### US. ACGIH Threshold Limit Values

Component	Type	Value
NA	NA	NA

#### **Biological occupational exposure limits**

No biological exposure limits noted for the ingredient(s).

## **8.2 Exposure controls**

### **Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### **Personal protective equipment**

#### **Eye/face protection**

Wear safety glasses with side shields (or goggles).

#### **Skin protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

#### **Body Protection**

Wear suitable protective clothing.

#### **Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### **Control of environmental exposure**

Not available

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical State	Solid
Appearance	Solid
Odor	Rosin
Odor Threshold	Not available
pH	Not available

Melting Point/Range	143.6 °F (62 °C) Ring & Ball
Boiling Point/Range	> 572 °F (> 300 °C) (rosin)
Evaporation Rate	0 (n-BuAc=1) estimated
Flammability (solid)	Not available.
Flammability or explosive limit	
Upper	Not available.
Lower	Not available.
Vapor Pressure	< 0.001 mm Hg at 20°C
Vapor Density	Not available.
Density	1.05 at 25oC/25oC (water=1)
Solubility	0.9 mg/l at 20°C.; Data is for similar product.
Partition coefficient; n-octanol/water	1.9 - 7.7 at 30°C.; Data is for similar product.
Autoignition Temp	590 °F (310 °C) (tall oil rosin)
Decomposition Temp	Not available.
Viscosity	Not available.
Molecular Formula	Not available.
Molecular Weight	Not available.
VOC Content(%)	Not available.
Oxidizing properties	Not available.

## 9.2 Other safety information      Not available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### 10.2 Chemical stability

Material is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Strong oxidizing agents. Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

## Product Information, Component Information

### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Rosin	> 2000 mg/kg, 24 hr At this dose no death occurred.; OECD 402	2800 mg/kg OECD 402	Not available

### Skin corrosion/irritation

No adverse effects due to skin contact are expected.

### Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

Dust may irritate respiratory system.

### Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
		Not listed	Not listed	Not listed	Not listed	Not listed

### Specific target organ toxicity - single exposure

Not classified.

### Specific target organ toxicity - repeated exposure

Not classified.

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

### Chronic effects

Not available

## 11.2 Additional Information

Not an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product		Species	Test Results
Rosin	EL50	Green algae	> 10000 mg/l, 3 hr OECD
	EL50	Water flea (Daphnia magna)	911 mg/l, 48 hr OECD 202;

## 12.2 Persistence and degradability

The product is biodegradable.

## 12.3 Bio accumulative potential

1.9 - 7.7, at 30°C.; Data is for similar product.

## 12.4 Species: Activated sewage sludge

> 10000 mg/l, 3 hr OECD 209;

## 12.5 Results of PBT and vPvB assessment

Not available

## 12.6 Endocrine disrupting properties

Not available

## 12.7 Other adverse effects

Not available

# SECTION 13: Disposal considerations

## 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

# SECTION 14: Transport information

**DOT (US)** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

# SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.



**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Fire Hazard

**SARA 311/312 Hazardous**

Yes

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Not listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**California Proposition 65**

Not listed.

**SECTION 16: Other information**

Issue date: 03/28/20

## **SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.