

Safety Data Sheet
Rosin Powder Silica Blend
ROSINSIL6

Section 1: Identification

Product identifier

Product Name	Rosin Powder, Fumed Silica blend		
Product Code	ROSINSIL6		
Relevant identified uses of the substance or mixture and uses advised against			
Recommended use	Production of finger printing powder		
Use Restrictions:	Not for food/ drug related applications		
Detail of the supplier of the safety data sheet			
Manufacturer	Chemical Store Inc.		
Supplier/ Distributor	Chemical Store Inc. 1059 Main Avenue, Clifton, NJ 07011 Tel: 1(973)405-6248 Website: ChemicalStore.com Email: info@ChemicaStore.com		
Emergency Telephone Number		+1 (973) 420 – 4972 (United States)	

Section 2: Hazards Identification

Classification

This chemical is considered hazardous according to [US] OSHA (29 CFR 1910.1200, 2024)
United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012	Skin Sensitization, Category 1
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Label elements

OSHA HCS 2012

Warning	
Hazard statements	May cause an allergic skin reaction
Precautionary statements	Keep away from heat, open flames and/or hot surfaces. - P210 Keep container tightly closed.
Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves
Response	Skin IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse Disposal
Storage/Disposal	Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC)
Other hazards OSHA HCS 2012	None identified

Section 3: Composition/ Information on ingredients

Substance, Mixtures

Hazardous Components			
Component	CAS Number	% by weight	Comments
Rosin	8050-09-7	94%	
Fumed Silica	7631-86-9	6%	

Section 4: First Aid Measures

Description of first aid measures

Inhalation	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
Skin	In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical

	advice/attention
Eye	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do NOT induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

Notes to Physician	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
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Section 5: Fire Fighting Measures

Flash Point 180 °C / 356 °F

Autoignition Temperature >400 °C / >752 °F

Explosion Limits:

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO₂). Carbon oxides. None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health: 2

Flammability: 1

Instability: 0

Physical hazards: N/A

Extinguishing media

Suitable Extinguishing Media	Water spray, Regular foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media	No information available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards	HIGHLY FLAMMABLE AT HIGH TEMPERATURES: Will be easily ignited by heat, sparks or flames at boiling temperature.
Hazardous Combustion Products	Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk.

Use water spray to cool containers exposed to fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Avoid dust formation. Use personal protective equipment as required. Ensure adequate ventilation.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods and material for containment and cleaning up:	Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling

Handling	Avoid contact with skin and eyes. Do not breathe dust. Avoid dust formation. Ensure adequate ventilation.
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Conditions for safe storage, including any incompatibilities

Storage	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents. Acids.
Incompatible Materials or Ignition Sources	Keep away from heat, ignition sources oxidizers and strong acids.

Section 8: Exposure Control/ Personal Protection

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Wear mask where dust may be present or created.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Material Description			
Physical Form	Powder Solid	Appearance/Description	
Color	White/ Yellow	Odor	Characteristic
Taste	Not Known	Particulate Type	No data available
Particulate Size		Aerosol Type	
Odor Threshold	No information available	Physical and Chemical Properties	
General Properties			
Boiling Point	No information available	Melting Point	75 - 81 °C / 167 - 177.8 °F
Decomposition Temperature	No data available	Heat of Decomposition	
pH	No information available	Specific Gravity/Relative Density	
Density	No data available	Bulk Density	No data available
Water Solubility	130 mg/L (20°C)	Solvent Solubility	Rosin log pow 7.7
Viscosity	Not applicable Solid	Explosive Properties	
Oxidizing Properties:			
Volatility			
Vapor Pressure	No data available	Vapor Density	Not applicable Solid

Evaporation Rate	Not applicable - Solid	VOC (Wt.)	
VOC (Vol.)		Volatiles (Wt.)	
Volatiles (Vol.)			
Flammability			
Flash Point	180 °C / 356 °F	Upper Explosive Limit	
Lower Explosive Limit	No data available	Autoignition	>400 °C / >752 °F
Self-Accelerating Decomposition Temperature (SADT)		Heat of Combustion (ΔHc)	
Burning Time		Flame Duration	
Flame Height		Flame Extension	
Ignition Distance		Flammability (solid, gas)	No information available
Environmental			
Half-Life		Octanol/Water Partition coefficient	
Coefficient of water/oil distribution		Bioaccumulation Factor	
Bioconcentration Factor		Biochemical Oxygen Demand BOD/BOD5	
Chemical Oxygen Demand		Persistence	
Degradation			

Section 10: Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal temperatures and pressures.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	High temperatures. Avoid dust formation.
Incompatible materials	Oxidizing agents, strong acids.
Hazardous decomposition products	In case of fire oxides of carbon, hydrocarbons, fumes or vapors, soot and smoke may be produced.

Section 11: Toxicological Information

Information on expected route of exposure

Inhalation May produce an allergic reaction. Avoid breathing dust or spray mist. May be harmful if inhaled.

Ingestion May cause allergic reaction. May be harmful if swallowed.

Eyes Sensitization. Avoid contact with eyes.

Skin Avoid contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Rosin	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	LC50 = 1.5 mg/L (Rat) 4 h
Silica, amorphous	>5000 mg/kg (Rat)	>2000 mg/kg (Rat)	-

- (a) **Toxicologically Synergistic Products;** No information available
- (b) **Skin corrosion/irritation;** Based on available data, the classification criteria are not met
- (c) **Serious eye damage/irritation;** Based on available data, the classification criteria are not met
- (d) **Respiratory or skin sensitization;**
Respiratory: Based on available data, the classification criteria are not met
Skin: Category 1 May cause sensitization by skin contact
- (e) **Germ cell mutagenicity;** Based on available data, the classification criteria are not met
- (f) **Carcinogenicity;** Based on available data, the classification criteria are not met

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Rosin	8050-09-7	Not listed	Not listed	Not listed	Not listed	Not listed
Silica, amorphous	7631-86-9	Not listed	Not listed	Not listed	Not listed	Not listed

- (g) **Reproductive toxicity;** Based on available data, the classification criteria are not met
- (h) **STOT-single exposure;** Based on available data, the classification criteria are not met
- (i) **STOT-repeated exposure;** Based on available data, the classification criteria are not met
- Target Organs** None known.
- (j) **Aspiration hazard;** Not applicable
Solid

Other Adverse Effects The toxicological properties have not been fully investigated.

Symptoms / effects, both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Other Adverse Effects The toxicological properties have not been fully investigated.

Endocrine Disrupting Properties This product does not contain any known or suspected endocrine disruptors.

Sources for section 11: PubChem (NIH), ECHA (EU REACH dossiers), NIOSH Pocket Guide, EPA IRIS, OECD SIDS, ATSDR Toxicological Profiles

Section 12: Ecological Information

Ecotoxicity

Contains a substance which is: Toxic to aquatic organisms. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Rosin	EC50: = 400 mg/L, 72h (Desmodesmus subspicatus)	Not listed	EC50 = 31.5 mg/L 30 min	EC50: 3.8 - 5.4 mg/L, 48h (Daphnia magna)
Silica, amorphous	EC50: 440 mg/L, 96h	LC50: 5000 mg/L, 96h	Not listed	EC50: 7600 mg/L, 48h

Persistence and Degradability Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Rosin	7.7

Section 13: Disposal Considerations

Waste treatment methods

Product waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14: Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not regulated				
TDG	Not regulated				Potential Marine Pollutant
IMO/IMDG	Not regulated				
IATA/ICAO	Not regulated				

Special precautions for user: None specified

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: None specified

Section 15: Regulatory Information

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Rosin	8050-09-7	X	ACTIVE	-
Silica, amorphous	7631-86-9	X	ACTIVE	-

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

Not applicable TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Rosin	8050-09-7	X	-	232-475-7	X	-		X	X	KE-18168
Silica, amorphous	7631-86-9	X	-	231-545-4	X	X	X	X	X	KE-31032

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration

Not applicable

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65 This product contains the following Proposition 65 chemicals.

Component	CAS No.	California Prop. 65	Prop 65 NSRL	Category
Silica, amorphous	7631-86-9	Carcinogen	-	Carcinogen

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Rosin	-	-	X	-	X
Silica, amorphous	X	-	X	-	-

U.S. Department of Transportation

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH

Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Rosin	8050-09-7	-	Use restricted. See entry 75. (see link for restriction details)	-
Silica, amorphous	7631-86-9	-	-	-

REACH links

<https://echa.europa.eu/substances-restricted-under-reach>

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Rosin	8050-09-7	Listed	Not applicable	Not applicable	Not applicable
Silica, amorphous	7631-86-9	Listed	Not applicable	Not applicable	Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?

Not applicable

Other International Regulations

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Rosin	8050-09-7	Not applicable	Not applicable	Not applicable	Not applicable
Silica, amorphous	7631-86-9	Not applicable	Not applicable	Not applicable	Not applicable

Section 16: Other Information

Revision date: 2026-08-22

Initial preparation date: 2026-08-22

SDS version: 1.0

Supersedes: [No previous version number]

Change History

Version	Date	Description of Change
[1.0]	[2026-08-22]	Initial SDS creation
[1.1]	[YYYY-MM-DD]	[e.g., Updated hazard classification / Added toxicology data / Editorial corrections]

Abbreviations and Acronyms

Term	Meaning
GHS	Globally Harmonized System of Classification and Labelling of Chemicals

Term	Meaning
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute for Occupational Safety and Health
TWA	Time-Weighted Average
STEL	Short-Term Exposure Limit
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent and very Bioaccumulative

[Add additional abbreviations used in this SDS]

Key Literature and Data Sources

This Safety Data Sheet was prepared using information from the following sources:

- [ECHA / REACH database]
 - [NIOSH Pocket Guide]
 - [PubChem / NIH]
 - [OECD test data]
 - [Supplier technical data sheets]
 - [Scientific literature]
-

Hazard Classification Method

The classification of this substance was determined by:

- ☒ Experimental data
- ☐ Read-across
- ☒ Literature review
- ☐ GHS calculation method
- ☐ Supplier classification

[Describe method if required]

Full Text of Hazard and Precautionary Statements

[If abbreviated elsewhere, provide full text here]

Example:

H302 – Harmful if swallowed

H315 – Causes skin irritation

P280 – Wear protective gloves/protective clothing/eye protection/face protection

[Insert applicable H-codes and P-codes]

Training Advice

Workers handling this product should be trained in:

- Chemical hazard communication
 - Use of personal protective equipment
 - Safe handling and storage
 - Emergency response and spill procedures
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Disclaimer

The information provided in this Safety Data Sheet is believed to be accurate and represents the best information currently available. However, no warranty, express or implied, is made regarding its accuracy, completeness, or suitability for any particular purpose. The user is responsible for determining the applicability of this information to their specific use and for compliance with all applicable laws and regulations.

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