



Plant's Power Inc
3-2700 St.Clair Ave west
Toronto, Ontario, M6N 1M2
Contact: 1-416-766-1254

Material Safety Data Sheet

Benzoin Resinoid

Section 1: Chemical Product and Company Identification

Product Name: Benzoin Resinoid
INCI Name: Styrax Benzoin (Benzoin) Gum oil
CAS No.: 9000-05-9

Contact information:

Plant's Power Inc 3-2700 St. Clair Ave west Toronto, Ontario M6N 1M2 Contact: 1-416-766-1254 http://www.PlantPower.ca contactus@plantpower.ca	24 HOUR EMERGENCY TELEPHONE NUMBER: (647) 427-4480
---	---

Section 2: Composition and Information on Ingredients

Composition: Product is obtained by solvent extraction from *Styrax sp.*
CAS No.: 9000-05-9
Component: Benzoin Acid Skin Reaction. 2; Eye Irrit. 2A; H317, H319

Section 3: Hazards Identification

Classification of the substance or mixture:
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H318 cause serious eye damage
H372 cause damage to organs through prolonged or repeated exposure
H402 harmful to aquatic life
H412 harmful to aquatic life with long lasting effects

GHS Label elements, including precautionary statements

Pictogram:



Signal Word: DANGER

H318 cause serious eye damage

H372 cause damage to organs through prolonged or repeated exposure

H402 harmful to aquatic life

H412 harmful to aquatic life with long lasting effects

Precautionary Statement(s)

P102 keep out of reach of children

P201 obtain special instructions before use

P273 Avoid release to the environment

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

P301+310 IF SWALLOWED immediately call a poison center or doctor/physician

P304+341 IF INHALED if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338 IF IN EYE rinse continuously with water for several minutes. Remove contact lenses if present and easy to do

Section 4: First Aid Measures

General information: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

After inhalation: Remove victim immediately from source of exposure into fresh air.
If not breathing, give artificial respiration.
Seek medical treatment in case of complaints.

After skin contact: Remove contaminated clothing.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses.
Promptly wash eyes with plenty of water while lifting the eye lids at least 15 minutes.
Seek immediate medical advice.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing agents: Foam
Dry Chemical Powder
Carbon Dioxide

Do not use water.

Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

- Personal Protection: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.
- Environmental Protection: To avoid possible contamination of the environment. Do not discharge into any drains, surface water or ground water.
- General: Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, etc). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition.
- Clean up: Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

Section 7: Handling and Storage

- Precautions: Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing. Smoking should not be permitted in work areas.
- Provide suitable air extraction ventilation in the work area. Vapours may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharge).
- Storage: To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources.
Keep in glass, suitable plastic, aluminum or lacquer-lined containers.

Section 8: Exposure Controls/Personal Protection

- Respiratory Protection: Do not breath vapours. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.
- Hand Protection: Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
- Eye Protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
- Body Protection: Light protective clothing recommended. Wash contaminated clothing before reuse.
- Hygiene Measures: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Safety shower and eye bath recommended.

Section 9: Physical and Chemical Properties

- Physical state and appearance: Liquid.
- Colour: Pale Brown to Dark Brown
- Flash Point: 110°C
- Boiling Point: 251°C at 760 mm Hg
- Solubility: Insoluble in water.

Section 10: Stability and Reactivity Data

Reactivity:	Stable under normal operating conditions
Hazardous Polymerization:	It does not undergo any dangerous reactions under normal conditions.
Conditions to Avoid:	Avoid excessive heat, sparks or open flame. No special precautions other than good house keeping of chemicals.
Incompatible Materials:	None known.
Hazardous Decomposition:	Carbon monoxide and other unidentified.

Section 11: Toxicological Information

Toxicological Information Acute:	Oral 10 mg/kg Inhalation N/A Skin 8.87 mg/kg
----------------------------------	--

Exposure Limits Note: there is a blanket recommendation of 10 mg/m³ for inspirable dust or mist when limits have not otherwise been

Section 12: Ecological Information

Mobility:	Very low water solubility and will form a surface film.
Degradation:	Generally biodegradable.
Accumulation:	Unlikely to bioaccumulate. Contaminated water must be cleared before entering sewerage.

Section 13: Disposal Considerations

Waste Treatment Methods Recommendation:	Disposal of in accordance with Local Authority requirements.
Uncleaned Packaging Recommendation:	Disposal must be made according to official regulations.

Section 14: Transport Information

International Carriage of Dangerous Goods by Road (ADR)

UN No.:	Not Regulated
Proper Shipping Name:	-
Packing Group:	-
Class:	-
Tunnel Restriction Code:	-
Label:	-

Air Transport (ICAO/IATA)

UN No.:	Not Regulated
Packing Group:	-
Class:	-

Sea Transport (IMDG)

UN No.:	Not Regulated
Packing Group:	-
Class:	-

EmS: -
Marine Pollutant: No

Section 15: Other Regulatory Information

HMIS (U.S.A.):

Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2
Flammability: 1
Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.
