

Humco Holding Group, Inc.
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Texarkana, TX 75501
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Item#0395-2519

Rosin Lump

Date Prepared 04/10/07

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Rosin Lump **Appearance & Odor:** Brown to red solid; typical rosin odor.

Warning! Static charges generated by emptying package in or near flammable vapors may cause flash fire. May form flammable dust-air mixtures. (For bags 1000 lbs. or greater, see Section VII for additional hazards.)

Chemical & Common Name: Dark wood rosins

CASRN.: 8050-09-7

HAZARD RATING SYSTEMS

		KEY	4 = Severe
Health	0		3 = Serious
Flammability	1		2 = Moderate
Reactivity	0		1 = Slight
			0 = None

Emergency Telephone Numbers:

Humco Holding Group 800-662-3435
Chemtec 800-424-9300

SECTION 2 HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

As Humco Holding Group, Inc. interprets the US Occupational Safety and Health Act and Regulations, including the Hazard Communication Standard 29 CFR 1910.1200 dated August 24, 1987, this product should not be considered a health hazard.

If this product is used in a manner that could generate particulates (dust), Humco Holding Group, Inc. recommends that the dust be treated as a NUISANCE PARTICULATE (Particulates Not Otherwise Classified) as defined by the American Conference of Governmental Industrial Hygienists (ACGIH) or (Particulates not otherwise Regulated) as defined by OSHA.

Recommended Airborne Levels 1992 – 1993

	<u>OSHA TWA</u>	<u>TLV-TWA</u>
Particulates not Otherwise Classified/Regulated	15 mg/m3 total 5 mg/m3 respirable fraction	10 mg/m3

If this product is heated to temperatures sufficient to produce smoke or fumes, the TLV-TWA of 0.1 mg/m3 (as formaldehyde), for rosin core solder pyrolysis products should be observed.

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SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

Solubility: Negligible

Specific Gravity: 1.14

pH: NA

% Volatiles by Wt.: Negligible @ 20°C

Boiling Point: NA

Softening Point: 90 – 127°C (194 – 260°F)

Vapor Density (Air=1): 2.6

Evaporation Rate: Slower than butyl acetate

Vapor Pressure @ 20°C: Not determined.

SECTION 4 FIRE FIGHTING MEASURES

Flash Point: 210°C (410°F)

Autoignition Temperature: Not determined.

Flammable Limits: Not determined.

Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide or halon.

Special Firefighting Procedures: Use self-contained breathing apparatus. Apply water to MOLTEN RESIN fires from a safe, protected location to avoid body contact with hot resin.

Unusual Fire & Explosion Hazards: May form flammable dust-air mixtures.

Stability: Stable

Incompatibilities: None

Hazardous Decomposition Products: None

Hazardous Products of Combustion: Carbon monoxide, carbon dioxide and smoke. Depending on conditions, some aliphatic aldehydes and carboxylic acids also may be formed.

Hazardous Polymerization: Will not occur.

SECTION 5 HAZARDS IDENTIFICATION

Danger! Molten resin. Causes severe burns on contact.

Inhalation: Breathing smoke or fumes from molten rosin products may produce breathing discomfort, coughing and sore throat.

Ingestion: None known.

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Skin Contact: Serious burns will result from contact with molten product. Repeated or prolonged contact may cause an allergic skin reaction (sensitization) in susceptible individuals. See Medical Conditions Generally Recognized as Being Aggravated by Exposure.

Eye Contact: Burns can cause irreversible eye injury and blindness. Smoke or fumes from rosin products may cause eye irritation with redness, tearing and discomfort.

First Aid Measures

Inhalation: Remove to fresh air. Treat any irritation symptomatically. Call a physician.

Skin Contact: Immediately cool burn area with cold water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified resin from the skin as severe tissue damage may result. Get medical attention.

Eye Contact: Cool burns with plenty of low-pressure water. Get medical attention immediately.

Note to Physician: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen and soften the material.

Solid Product

Inhalation: None known. None expected.

Ingestion: None known.

Skin Contact: Prolonged and repeated contact may cause a skin sensitization reaction in susceptible individuals (See below: Medical Conditions Generally Recognized as Being Aggravated by Exposure)

Eye Contact: Dust may cause irritation by mechanical abrasion.

First Aid Measures

Inhalation: Remove to fresh air. Treat any irritation symptomatically. Call a physician.

Skin Contact: Wash with soap and running water.

Eye Contact: In case of contact, immediately flush with plenty of low-pressure water for at least 15 minutes. Remove any contact lenses to ensure thorough flushing. Call a physician.

Note to Physician: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen the material.

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Work Practices: Eyewash fountains and safety showers should be easily accessible.

Handling & Storage Precautions: For small packages, the following warning applies:

Warning! Static charges generated by emptying package in or near flammable vapors may cause flash fire. May form flammable dust-air mixtures. Avoid ignition sources such as sparks and flame. Ground all equipment. In addition, when emptying bags where flammable vapors may be present, blanket vessel with inert gas, ground operator and pour material slowly into conductive, grounded chute.

For large bags (1,000 lbs. or greater) the following warning applies: Warning! Static charges generated by emptying package may ignite flammable vapors or dust-air mixtures. May form flammable dust-air mixtures. Avoid ignition sources such as sparks and flame. Ground all equipment and the bag. In addition, when emptying where flammable vapors may be present, blanket vessel with an inert gas. **Attention!** A grounding cable must be attached to the bag ground connection! Avoid dust accumulations and suspending dust in air. Flake forms are prone to gradual oxidation. Control inventory. Use oldest material first.

Engineering Controls: Adequate ventilation should be provided to keep dust or vapor concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations.

Protective Measures During Repair and Maintenance: Eliminate sources of ignition. Completely isolate and thoroughly clean all equipment, piping or vessels before beginning maintenance or repairs. Keep area clean. Product will burn.

SECTION 8 ENVIRONMENTAL & REGULATORY DATA

The following environmental and regulatory data are provided to assist users of this product in defining their regulatory environmental compliance obligations.

Product Composition:

<u>Product (P) or Component No.</u>	<u>Trade Name or Chemical Component</u>	<u>CASRN</u>	<u>% Wt.</u>
P	Belro, FF & No. 3 Dark Wood Rosins	8050-09-7	100

Sara Title III (See footnotes)

<u>Component No.</u>	<u>Sec. 304 EHS RQ (lbs)</u>	<u>Sec. 302 EHS TPO (lbs)</u>	<u>Sec. 311/312 Hazard Category</u>	<u>Sec. 313 Toxic Chemical (Yes, No)</u>
P	NA	NA	NHH, HC-3 (Dust)	No

CERCLA (40 CFR 302.4 Hazardous Substance & Reportable Quantities): This product does not contain any hazardous substances listed in 40 CFR 302.4.

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RCRA Information: This product is not listed in federal hazardous waste regulation 40 CFR 261.33, paragraph (e) or (f) – i.e., chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261, Subpart C. State or local hazardous waste regulations may apply if they are different from the federal regulation.

TSCA Status: The components of this product are included on the EPA TSCA Chemical Substance Inventory.

Footnotes:

Sec. 302 – Threshold Planning Quantity, Extremely Hazardous Substance (EHS) (40 CFR 355 Emergency Planning & Notification Regulations)

NA: This chemical is not an EHS. Therefore, there is not Threshold Planning Quantity (TPQ)

Sec. 304 – Reportable Quantity for Releases of an EHS (40 CFR 355, Appendix A)

NA: This chemical is not an EHS. Therefore, there is no Reportable Quantity (RQ).

Sec. 311/312 – 40 CFR 370 Hazardous Chemical Reporting Requirements “Hazard Categories”

HC – 1 Immediate (acute) health hazard

HC – 2 Delayed (chronic) health hazard

HC – 3 Fire Hazard

HC – 4 Sudden release of pressure hazard

HC – 5 Reactive hazard

NHH - Not a health hazard

NPH - Not a physical hazard

Sec. 313 – 40 CFR 372 Toxic Chemical Release Reporting Requirements

No: this component is not subject to the reporting requirements of Section 313 of Title II of the Superfund Amendments & Reauthorization Act of 1986 and 40 CFR Part 372 Toxic Chemical Reporting requirements.

Yes: This component is subject to the reporting requirements of Section 313 of Title II of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 Toxic Chemical Reporting requirements. Percent composition (or estimated range) is listed above.

NA: This product is a mixture. As such, it is not listed as a Toxic Chemical under 40 CFR 372, Sect. 313 reporting requirements. Reportable constituents are listed individually where they exceed threshold concentration limits.