Safety Data Sheet (SDS)

Revision / Review Date: 1/5/16

1. Chemical Product and Company Identification

Product Name:	VULCANOL BROWN BN CRUMB
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Vulcanized vegetable oil
Product Use:	Synthetic Polymers
OSHA Status:	Non hazardous
CAS No:	68153-37-7

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

OSHA:	Is not considered Hazardous.
Signs and Symptoms of Exposure:	The product, in the form supplied, is not anticipated to produce significant adverse human health effects.
Primary Routes of Entry:	Skin contact and inhalation.
Medical Conditions Generally Aggravated by Exposure:	May aggravate existing eye, skin or respiratory conditions.
Eye Contact:	Non-irritating.
Skin Contact:	Non-irritating.
Ingestion:	No more than slightly toxic.
Inhalation:	Non-irritating
HMIS Hazard Ratings:	Health- 1, Flammability - 1, Reactivity - 0
HMIS limitation statement:	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
100%	Sulfurized Oil	68153-37-7

4. First Aid Measures

Inhalation:	If symptoms develop, move victim away from exposure and into fresh air. Administer oxygen if breathing is difficult.
Eyes:	Flush eyes with copious quantities of water while holding eyelids open. If symptoms persist or if there is any visual difficulty, consult physician.
Skin:	In case of contact, immediately flush skin with plenty of water. Remove material from clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse
Ingestion:	Do not induce vomiting. Seek medical attention. If individual is drowsy, do not give anything by mouth.

5. Fire-Fighting Measures

Suitable Extinguishing Media:	Dry Chemical, Carbon Dioxide CO2, Foam
Unsuitable Extinguishing media:	Water
Special Fire Fighting Procedures:	Fire fighters and others who may be exposed to products of combustion should wear full firefighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent). Firefighting equipment should be thoroughly decontaminated after use.
Hazardous Combustion Products:	Sulfur oxides, Carbon oxides, hydrogen sulfide, Hazardous organic compounds.

6. Accidental Release Measures

Steps to be taken in case material is spilled:	Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Environmental Disposal Information:	Keep away from waterways.
Waste Disposal:	Reclaim or dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage:

Precautions to be taken in handling:	Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.
Storage:	Keep in a dry, cool place. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Don't store above 104 °F (40 °C). Incompatible materials are strong oxidizing agents.

8. Exposure Controls / Personal Protection

Engineering controls:	Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.
Respiratory Protection:	NIOSH approved organic vapor respirator in accordance with 29 CFR 1910.134 if recommended PEL is exceeded.
Ventilation:	Use local exhaust ventilation.
Hand Protection:	Rubber, Neoprene if splashing is a problem.
Eye Protection:	Use good industrial practice to avoid eye contact.
Skin and Body Protection:	Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical Form:	Liquid Viscous
Appearance & Odor:	Red/ Orange/ Brown
Specific Gravity:	1.01 @20C
Softening Point, R&B:	Not available
Density:	990 kg/m3 (68 °F (20 °C))

Solubility in Water:	68 °F (20 °C) insoluble
Flash Point, TAG CC F:	> 212 °F (> 100 °C)
Percent Volatiles (by weight):	Not available
Evaporation Rate (Water ~ I):	Not available
Vapor Pressure (mm Hg):	Not available
Vapor Density (Air ~ I):	Not available
Boiling Point (°F) Initial:	Not available
Auto ignition Temperature, °C:	Not available
Flammable Limits, %(V):	Not available
Viscosity, kinematic:	690 mm2/s 104 °F (40 °C)

10. Stability and Reactivity

Stability:	This product is stable under normal conditions.
Incompatibility (Materials to Avoid):	Strong oxidizing agents
Conditions to Avoid:	Heat.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Hazardous decomposition products:	Sulfur oxides, Carbon oxides, hydrogen sulfide, Hazardous organic compounds.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

Acute toxicity

Oral:	No more than slightly toxic. (rat) LD50 > 2,000 mg/kg.
Skin Irritation:	Non-irritating. (rabbit)
Eye Irritation:	Non-irritating. (rabbit)

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

When possible, recycling is preferred to disposal or incineration If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14. Transport Information

D.O.T. Shipping Name:	Not regulated.
Air - ICAO (international Civil Aviation Organization):	Not regulated.
Sea - IMDG (International Maritime Dangerous Goods):	Not regulated.

15. Regulatory Information

Listed on the following Chemical Inventory Status:
EU. EINECS
US. Toxic Substances Control Act TSCA
Australia. Industrial Chemical (Notification and Assessment) Act AICS
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) DSL Canadian DSL list.
Japan. Kashin-Hou Law List ENCS (JP)
Korea. Toxic Chemical Control Law (TCCL) List KECI (KR
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act PICCS (PH)
China. Inventory of Existing Chemical Substances IECSC (CN)
China. Inventory of Existing Chemical Substances IECSC (CN)
Not listed on:
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand NZIOC

United States – Federal Regulations

SARA Title III Section 302 Extremely Hazardous Chemicals:	The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.
SARA Title III - Section 311/312 Hazard Categories:	No SARA Hazards
SARA Title III – Section 313 Toxic Chemicals:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) – Reportable Quantity (RQ):	The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

OSHA Regulated Carcinogens (NTP, IARC, OSHA Listed):
NTP:
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

United States – State Regulations

New Jersey Right to Know:	Rape oil, sulfurized 68153-37-7
Pennsylvania Right to Know:	Rape oil, sulfurized 68153-37-7
California Prop. 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.