



## Safety Data Sheet (SDS)

Revision / Review Date: 3/11/14

### 1. Chemical Product and Company Identification

Product Name:	VULCANOL G5
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 /Factice
Technical Name:	Vulcanized vegetable oil
Product Use:	Synthetic Polymers
OSHA Status:	Not hazardous
CAS No:	68604-22-8

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

<u>Emergency Overview:</u>	A rubbery gel/crumb/lump material ranging from reddish brown to yellow. These grades have a strong sulfur odor ( pure white grades have a mild chalky odor). Overexposure is not expected to cause any significant toxic effects. Treat as a nuisance dust.
<u>Signs and Symptoms of Exposure:</u>	Irritation to the eyes and skin.
<u>Primary Routes of Entry:</u>	Eyes, Skin, ingestion and inhalation.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	None Known.
<u>Eye Contact:</u>	May be mildly irritating.
<u>Skin Contact:</u>	May be mildly irritating.
<u>Ingestion:</u>	May be mildly irritating.
<u>Inhalation:</u>	May be mildly irritating.
<u>HMIS Hazard Ratings:</u>	Health- 0, Flammability - 1, Reactivity - 0, Protection-C
<u>HMIS limitation statement:</u>	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%	Castor oil, vulcanized	68604-22-8

### 4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air; give artificial respiration or oxygen if necessary.
<u>Eyes:</u>	Flush eyes with water for 15 minutes. Call a physician if irritation develops.
<u>Skin:</u>	Wash skin with soap and water.
<u>Ingestion:</u>	Do not ingest. Do not induce vomiting. In large enough quantity, ingestion may cause central nervous system depression. Seek medical attention.

### 5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Use Chemical foam, CO2, Dry Chemical. Water fog or spray can be used to control fire, but is generally ineffective for direct fire suppression.
<u>Special Fire Fighting Procedures:</u>	Fire fighters should wear self-contained breathing apparatus when exposed to oxides of sulfur and carbon.
<u>Hazardous Combustion Products:</u>	This product will decompose under extreme temperatures forming oxides of carbon and sulfur.

### 6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Wear appropriate protective equipment and gloves. Sweep up solid lumps and crumbs and dispose of according to local regulations.
<u>Environmental Disposal Information:</u>	Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802).
<u>Waste Disposal:</u>	All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

### 7. Handling and Storage:

<u>Precautions to be taken in handling:</u>	Handle in accordance with good industrial hygiene and safety practices.
<u>Storage:</u>	Store in sealed containers in dry, ambient temperature conditions. No special handling procedures are indicated.

### 8. Exposure Controls / Personal Protection

<u>Respiratory Protection:</u>	Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.
<u>Ventilation:</u>	Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.
<u>Hand Protection:</u>	Wear gloves.
<u>Eye Protection:</u>	Safety glasses with side shields;
<u>Skin and Body Protection:</u>	Wear boots and apron as appropriate.
<u>Decontamination Facilities:</u>	There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

### 9. Physical and Chemical Properties

<u>Physical Form:</u>	Crumb
<u>Appearance &amp; Odor:</u>	Dark brown crumb
<u>Specific Gravity:</u>	@25°C — 1.04 -1.08
<u>Softening Point, R&amp;B:</u>	Not available
<u>Solubility in Water:</u>	Not available
<u>Flash Point, TAG CC F:</u>	> 200°C
<u>Percent Volatiles (by weight):</u>	Not available
<u>Evaporation Rate (Water ~ I):</u>	Not available
<u>Vapor Pressure (mm Hg):</u>	Not available
<u>Vapor Density (Air ~ I):</u>	Not available
<u>Boiling Point (°F) Initial:</u>	Not available
<u>Auto ignition Temperature, °C:</u>	> 300°C
<u>Flammable Limits, %(V):</u>	Not available

## **10. Stability and Reactivity**

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizers and bases.
<u>Conditions to Avoid:</u>	Should be kept away from extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Decomposition:</u>	This product decomposes under high temperature and hydrolyses in humid conditions.

## **11. Toxicological Information**

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

## **12. Ecological Information**

This material has not been evaluated for environmental effects.

## **13. Disposal Considerations**

This material has the characteristics of rubber and is not considered a disposal problem. It has long-term potential to biodegrade.

## **14. Transport Information**

<u>D.O.T. Shipping Name:</u>	Not restricted. Use a standard commercial label.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not restricted. Use commercial label showing chemical name.
<u>CANADA TRANSPORT HAZ.GOODS:</u>	Not restricted.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated in non-bulk packaging.
<u>EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS.:</u>	Not regulated.
<u>US CUSTOMS: - HARMONIZED TARIFF CODE:</u>	4002.99.0000

## **15. Regulatory Information**

<u>SARA TITLE III 311/312 CATEGORIES:</u>	Not listed.
<u>SARA TITLE III313 Reportable ingredients:</u>	None.
<u>CERCLA RQ:</u>	Not applicable.

<u>TSCA REGULATORY:</u>	All intentional ingredients are listed in the TSCA Inventory.
CANADA WIIMIS HAZARD SYMBOL AND CLASS:	Not Regulated.
<u>CANADA INGREDIENT DISCLOSURE LIST:</u>	Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

#### **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.