

# MATERIAL SAFETY DATA SHEET

VULKANOL OT 110D/880s

**TRANSPORTATION EMERGENCY**  
CALL CHEMTREC..... : (800) 424-9300  
INTERNATIONAL ..... : (703) 527-3887

**NON-TRANSPORTATION**  
RCC EMERGENCY PHONE : (440) 285-3547  
RCC INFORMATION PHONE: (800) 289-2436

## Section 1: Product and Company Identification

**Product Name:** VULKANOL OT 110D/880s  
**Article Number:** 1567334

## Section 2: Composition/Information on Ingredients

### HAZARDOUS INGREDIENTS

<u>Ingredient Name/ CAS Number</u>	<u>Exposure Limits</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.			

## Section 3: Hazards Identification

### EMERGENCY OVERVIEW

Non-regulated. **Color:** Yellow **Form:** Liquid **Odor:** Strong Odor  
Product poses little or no hazard if spilled and no unusual hazard if involved in a fire.  
Irritating gases/fumes are given off during burning or thermal decomposition.

### POTENTIAL HEALTH EFFECTS

**Route(s) of Entry:** Eye Contact, Inhalation, Skin Contact

### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

#### General Effects of Exposure

#### Acute Effects of Exposure:

Under normal working conditions, at ambient or room temperatures, using good industrial hygiene practices, this product should not pose an inhalation, skin or eye exposure problem. Vapors of sulfur

dioxide may be released when product is heated.

**Chronic Effects of Exposure:** None reported for this product as a whole.

**Carcinogenic Components:**

**NTP:** None

**IARC:** None

**OSHA:** None

**Medical Conditions  
Aggravated by Exposure:** None reported for this product as a whole.

**Section 4: First Aid Measures**

**First Aid for Eye:** In case of contact, flush eyes with large quantities of water for at least 15 minutes. The eyelids should be held apart during irrigation to ensure thorough flushing of all eye tissue. Get medical attention if irritation develops or persists.

**First Aid for Skin:** In case of skin contact, wash affected areas with soap and water. Get medical attention if irritation develops or persists.

**First Aid for Inhalation:** If inhaled, remove to fresh air.

**First Aid for Ingestion:** If material is ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

**Note to Physician:** Treat symptomatically.

**Section 5: Fire Fighting Measures**

**Flash Point:** 334.4 °F (168 °C) DIN 51758

**Flammable Limits:**

**Upper Explosion Limit  
(UEL %):** Not Established

**Lower Explosion Limit  
(LEL %):** Not Established

**Auto-ignition Temperature:** 608 °F (320 °C) DIN 51794

**Extinguishing Media:**

**Suitable:** Dry Chemical, Foam, Water

**Special Fire Fighting  
Procedures:** Evacuate non-emergency personnel to a safe area. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

## Section 6: Accidental Release Measures

**Spill or Leak Procedures:** Do not allow spilled or released material to enter ground water, waste water or soil. Cover the spill with absorbent material such as sand, sweeping compound or diatomaceous earth. Place in properly marked containers for disposal.

## Section 7: Handling and Storage

**Storage Temperature:**  
**Maximum:** 122 °F (50 °C)

**Shelf Life:** 2 Years

**Special Sensitivity:** Heat. Moisture.

**Handling/Storage Precautions:** Store in a dry place away from excessive heat. Keep container tightly closed when not in use. Handle in accordance with good industrial hygiene and safety practices.

## Section 8: Exposure Controls/Personal Protection

### Personal Protection Equipment

**Eye Protection Requirements:** Chemical safety goggles.

**Skin Protection Requirements:** Rubber gloves and other protective clothing as appropriate to prevent skin contact.

**Ventilation Requirements:** Thermal processing equipment should be ventilated to control gases and fumes given off during processing.

**Respirator Requirements:** An organic vapor cartridge should be used if ventilation is not sufficient to control fumes released during thermal processing.

**Additional Protective Measures:** Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees on the safe use and handling of this product.

## Section 9: Physical and Chemical Properties

**Physical Form:** Liquid

**Color:** Yellow

**Odor:** Strong Odor

**Odor Threshold:** Not Established

**pH:** Not Established

**Boiling Point:** Approximately > 446 °F (> 230 °C) @ 7.6 mmHg

**Melting/Freezing Point:** Approximately -76 °F (-60 °C)

**Viscosity:** 19 - 29 mPa.s @ 68 °F (20 °C)  
**Solubility in Water:** Insoluble  
**Solubility (non Aqueous):** Acetone, ethanol, ethyl acetate  
**Specific Gravity:** Approximately 0.96 @ 68 °F (20 °C)  
**Bulk Density:** Not Established  
**Evaporation Rate:** Not Established  
**Vapor Pressure:** < 7.5 mmHg @ 122 °F (50 °C)  
**Vapor Density:** Not Established

#### Section 10: Stability and Reactivity

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur  
**Substances to Avoid:** None Known  
**Conditions to Avoid:** None Known  
**Decomposition Temperature:** Approximately 446 °F (230 °C)  
**Decomposition Products:** Sulfur Dioxide, Thermal decomposition may produce toxic oxides and fumes of the components of this product and other potentially toxic fumes.

#### Section 11: Toxicological Information

##### Toxicity Data for VULKANOL OT 110D/880s

**Toxicity Note:** No data available for this product.

#### Section 12: Ecological Information

##### Ecological Data for VULKANOL OT 110D/880s

**Ecological Note:** No data available for this product.

#### Section 13: Disposal Considerations

**Waste Disposal Method:** Disposal must be in compliance with federal, state and local environmental control regulations. If incinerated, toxic and corrosive combustion gases must be properly handled.

#### Section 14: Transportation Information

**Technical shipping name:** Rubber Additive

**Freight Class**

**Bulk:** Chemicals, N.O.I. (NMFC 60000)  
**Package:** Chemicals, N.O.I. (NMFC 60000)

**Product Label:** Product Label Established

**Domestic Surface Transportation (DOT)**

**Hazard Class or Division:** Non-Regulated

**Marine Transportation (IMO / IMDG)**

**Hazard Class Division** Non-Regulated  
**Number:**

**Air Transportation (ICAO / IATA)**

**Hazard Class Division** Non-Regulated  
**Number:**

**Section 15: Regulatory Information**

**United States Federal Regulations**

**OSHA Hazcom Standard** Non-Hazardous  
**Rating:**

**TSCA Inventory List:** On TSCA Inventory

**CERCLA Hazardous Substance:**

<u>Component(s)</u>	<u>Reportable Quantity</u>
None	

**SARA Title III**

**SARA Section 302 Extremely Hazardous Substances:**

<u>Component(s)/</u>	<u>Concentration</u>	
<u>CAS Number</u>	<u>Min.</u>	<u>Max.</u>
None		

**SARA Section 311/312 Hazard** Non-hazardous under Section 311/312  
**Categories:**

**SARA Section 313 Toxic Chemicals:**

<u>Component(s)/</u>	<u>Reporting</u>	<u>Concentration</u>	
<u>CAS Number</u>	<u>Threshold</u>	<u>Min.</u>	<u>Max.</u>
None			

**RCRA Status:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**State Right-to-Know Information**

<u>Component(s)/ CAS Number</u>	<u>State Code</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
Polyoxyalkylene sulfide 71010-88-3	PA-N, NJ-N	0%	100%

**State Code Translation Table**

PA-N = Pennsylvania Non-hazardous  
NJ-N = New Jersey Other - includes predominant ingredients

**Foreign Chemical Inventory List(s)**

DSL (Canada): Listed

**Section 16: Other Information**

**HMIS Rating**

Health	0
Flammability	1
Reactivity	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe  
\*=Chronic Health Hazard

RHEIN CHEMIE CORPORATION's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by RHEIN CHEMIE CORPORATION as a customer service.

Contact: HES Dept.  
Phone: (440) 285-3547  
MSDS Number: 00000000798  
Version Date: 05/06/2003  
MSDS Version: 1.4

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Indicates Relevant Change Made.