MATERIAL SAFETY DATA SHEET

IDENTITY: VVO® 315 Brown

SECTION I - Preparation/Product Information

MANUFACTURED AND SUPPLIED BY:

PolyOne Corporation 1675 Navarre Road Massillon, OH 44646 TELEPHONE NUMBER: (330) 837-8679

DATE PREPARED: May 8, 2000

PREPARER: Health, Safety & Environment

PRODUCT USE: Rubber Additive

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SECTION II-Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN# EXPOSURE LIMITS PEL TLV OTHER

TOXICITY LD50/LC50 AMOUNT %

Rape Oil, Sulfurized CAS #68153-37-7

Not Established

90-100

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable FREEZING POINT: Not Applicable VAPOR PRESSURE (mm Hg): Not Applicable

VAPOR DENSITY (AIR=1): Not Applicable SOLUBILITY IN WATER: Negligible

APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Dark Brown

SPECIFIC GRAVITY (H20=1): 1.03 (typical)

pH: Not Applicable

ODOR THRESHOLD (ppm): Not Applicable COEF. WATER/OIL DIST.: Not Applicable EVAPORATION RATE: Not Applicable

Solid; Dark Brown Odor; Characteristic

MARKETED BY

HARWICK STANDARD DISTRIBUTION CORPORATION

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SECTION IV - Fire and Explosion Hazard Data *************

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Water, CO2, and dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Available

UEL: Not Available

AUTOIGNITION TEMPERATURE: Not Available SENS. TO MECHANICAL IMPACT: Not Available SENS. TO STATIC DISCHARGE: Not Available

HAZARDOUS COMBUSTION PRODUCTS: COx, SOx

******************************** SECTION V - Reactivity Data

STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None known

HMIS RATING: 0

SECTION VI-Health Hazard Data PRIMARY ROUTES OF EXPOSURE SKIN CONTACT: No INHALATION: No EYE CONTACT: No INGESTION: No SKIN ABSORPTION: No **HEALTH HAZARDS** ACUTE: None known CHRONIC: None known CARCINOGENICITY IARC: No OSHA: No NTP: No SIGNS AND SYMPTOMS OF EXPOSURE: None known MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known OECD TEST VALUES FOR: REPRODUCTIVE TOXICITY: Not Available IRRITANCY: Not Available TERATOGENICITY: Not Available SENSITIZATION: Not Available MUTAGENICITY: Not Available SYNERGISTIC PRODUCTS: Not Available HMIS RATING: 0 SECTION VII-First Aid Measures **EMERGENCY AND FIRST AID PROCEDURES** INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and place in a suitable container for disposal.

WASTE DISPOSAL METHODS: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handle in accordance with good industrial hygiene and safety practices.

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure

MECHANICAL (General): Recommended to minimize exposure

PROTECTIVE GLOVES: Impervious gloves

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGENIC PRACTICES: Wash before eating or smoking.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical components are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None

RCRA STATUS:

The following chemical components are listed under (40 CFR 261):

None

The information provided in this Saftey Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.