MATERIAL SAFETY DATA SHEET

IDENTITY: VVO® Factice® White R-97

SECTION I - Preparation/Product Information

MANUFACTURED AND SUPPLIED BY:

PolyOne Corporation 1675 Navarre Road Massillon, OH 44646

DATE PREPARED: May 3, 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** %

Vegetable Oil, Chlorosulfurized CAS #Proprietary

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 Determined SOLUBILITY IN WATER: Negligible

APPEARANCE (PHYSICAL STATE) AND ODOR: Powder; White

SPECIFIC GRAVITY (H20=1): 1.08

pH: Not Applicable

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

Odor; Slight oily odor

MARKETED BY

HARWICK STANDARD DISTRIBUTION CORPORATION

60 S. Seiberling Street · Akron, Ohio 44305

SECTION IV - Fire and Explosion Hazard Data FLASH POINT (Method): Not Applicable EXTINGUISHING MEDIA: Water, Carbon Dioxide, or dry chemical SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. UNUSUAL FIRE AND EXPLOSION HAZARDS: As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions. 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, sulfur dioxide, hydrogen chloride ************************************ SECTION V - Reactivity Data **STABILITY** STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Excessive heat & open flames

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, acids and alkalies

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, sulfur dioxide, hydrogen chloride

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

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Direct contact will cause moderate skin and eye irritation. Inhalation of dust can cause mild respiratory irritation. Prolonged and repeated skin contact with the oil may result in skin irritation, leading to dermatitis.

CHRONIC: None Known

NOTE: Product form should minimize exposure making health effects less likely.

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

OECD TEST VALUES FOR:

IRRITANCY: Not Available SENSITIZATION: Not Available REPRODUCTIVE TOXICITY: Not Available

MUTAGENICITY: Not Available

TERATOGENICITY: Not Available

SYNERGISTIC PRODUCTS: Not Available

HMIS RATING: 1

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 reuse or 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. Maintain good housekeeping to control dust accumulations.

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 or goggles for dust.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGENIC PRACTICES: Wash before eating or smoking.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Applicable

TSCA INVENTORY STATUS:

Product is in compliance with TSCA requirements.

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 Known

RCRA STATUS:

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

None Known

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.