



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: VULCANIZING AGENT IS-HD-7020 PWD-D

Manufactured for and supplied by:

Harwick Standard Distribution Corporation
60 South Seiberling Street
P.O. Box 9360
Akron, Ohio 44305-0360

Telephone #: 330-798-9300
Date prepared: May 11, 2010
Preparer: Health, Safety & Environment
Product Use: Vulcanizing Agent

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Components Chemical Identity	CAS Number	LD₅₀ of Ingredient	LC₅₀ of Ingredient	%
Polymeric Sulfur	9035-99-8			70-80
Sulfur	7704-34-9			5-15
Naphthenic Oils	Various			15-25

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

Inhalation **Skin contact** **Eye contact** **Skin absorption** **Ingestion**

Emergency Overview: May cause eye, skin and respiratory tract irritation.

Potential Health Effects: Eye contact with dust may cause irritation, itching, reddening, tearing and burning. May cause mild irritation to skin. Repeated or prolonged contact with skin may cause reddening, itching, and inflammation. Repeated or prolonged exposure to dust may cause respiratory tract irritation. Possible mild gastrointestinal irritation with nausea, diarrhea and vomiting if large amounts are ingested.

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek medical attention.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Launder clothing before reuse. Seek medical attention if irritation persists.

Eye contact: In case of contact, immediately flush eyes with plenty of water while lifting and lower eyelids for at least 15 minutes. Seek medical attention if irritation persists.



SECTION 5 – FIRE FIGHTING MEASURES

Autoignition Temperature: 232°C

Flash point (method): 165°C

Extinguishing media: Use water spray, foam or dry chemical.

Special fire fighting procedures: Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Fire may produce toxic gases.

Unusual fire and explosion hazards: If heated above its decomposition temperature in the presence of air, product can support combustion. Toxic emissions may result if product is involved in a fire.

Hazardous combustion products: Sulfur oxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Isolate area. Wear protective equipment specified. Wear a dust mask if dust is created above TLV. Avoid the generation of dust. If material is not contaminated, scoop into clean container for use. If material is contaminated, scoop up and place into closable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Maintain good housekeeping. Avoid contact with eyes, skin and clothing. Avoid generating or breathing dust. Prevent dust accumulation. Wash thoroughly with soap and water after handling. Re-close containers of unused product. Keep containers tightly closed when not in use. Do not reuse this container.

Storage: Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials. Store away from high temperatures. Avoid exposure to direct sunlight. Avoid ignition sources such as sparks and flames.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: OSHA PEL/8hr TWA: 15 mg/m³ (total dust) – 5 mg/m³ (respirable dust)
ACGIH TLV/8-hr TWA: 10 mg/m³

Respiratory protection (specify type): A NIOSH/MSHA approved dust respirator above PEL or TLV, and/or dusk mask.

Ventilation: **Local exhaust:** Recommended to minimize exposure.
Mechanical (general): Recommended to minimize exposure.

Protective gloves: Impervious

Eye protection: Chemical goggles or safety glasses

Skin protection: Normal work coveralls. Launder contaminated clothing before reuse.



SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling point:	Not available	Specific gravity:	Not available
Melting point:	105-115°C	Density:	1.58
Freezing point:	Not available	pH:	Not applicable
Vapor pressure (mm Hg):	10 mm Hg @ 246°C	Odor threshold (ppm):	Not available
Vapor density (AIR=1):	Not applicable	Density:	1.58
Solubility in water:	Insoluble	Evaporation rate:	Not available
Appearance/Physical state:	Powder	Odor:	Slight
Form:	Solid	Color:	Yellow

SECTION 10 - STABILITY & REACTIVITY

Stability **Stable:**
 Unstable:

Conditions to avoid (conditions of reactivity): Keep away from heat, sparks and flame. Avoid contact with strong oxidants. Avoid contact with strong bases. Avoid contact with nitrates. Avoid heat and sources of ignition. Avoid exposure to direct sunlight.

Incompatibility (materials to avoid): Contact with acids. Contact with oxidizing agents. Contact with nitrates.

Hazardous decomposition or byproducts: Carbon monoxide. Oxides of nitrogen. Oxides of sulfur.

Hazardous polymerization **May occur:**
 Will not occur:

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute: Skin contact can cause mild skin irritation. Inhalation can irritate mouth, nose, throat and respiratory tract.

Chronic: None known.

Oral LD50 (Rat) >4,000 mg/kg Non-toxic
Dermal LD (Rabbit) >2,000 mg/kg Non-toxic

Carcinogenicity: This product, or one of its ingredients present at 0.1% or more, is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA.

NTP **IARC** **OSHA** **ACGIH**

Reproductive toxicity: No birth defects were noted in a rat study.



SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Fish Toxicity: Material is not expected to be toxic to aquatic life
96-hr LC50 (Rainbow trout) - >1,000 mg/l
96-hr LC50 (Bluegill) - >1,000 mg/l
48-hr LC50 (Daphnia Magna) - >1,000 mg/l

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal method: In accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information: Not DOT regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status:
Chemical components are listed on the TSCA inventory.

SARA 313

This product contains the following toxic chemical(s) 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.

SARA Sections 311 & 312

Superfund Amendments & Reauthorization Act of 1986 Title III: Immediate

RCRA status

The following chemical components are listed under (40 CFR 261): Not a RCRA waste.

FDA Status 21 CFR: Regulated for Use under the following 21 CFR sections:
177.2600 Rubber articles intended for repeated contact with food

HMIS Classification: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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