

Material Safety Data Sheet FLXP0105

Date of Printing:

12/07/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SANTOGARD PVI-wgr

MSDS NO.

FLXP0105

Chemical Name:

N-(Cyclohexylthio)phthalimide, Wax Granules.

Synonyms:

CTP; CTPI; 1H-Isoindole-1,3-(2H)-dione, 2-(cyclohexylthio)-. Wax Granules.

Use:

Pre-Vulcanization Inhibitor

Manufactured By: **Emergency Telephone:**

Flexsys America L.P. 260 Springside Drive Akron OH 44333 USA CHEMTREC: 1-800-424-9300 (TOLL FREE - USA and Territories)

703-527-3887 (ELSEWHERE - Collect Calls Accepted)

CANUTEC:

613-996-6666 (Canada)

SETIQ:

91-800-00-214 (Mexico)

Prepared By:

Flexsys America Product Safety Phone (330) 668-8281 FAX (330) 668-8281

COMPOSITION/INFORMATION ON INGREDIENTS

Percent
78-82
18-22
0.5-1.5

HAZARDS IDENTIFICATION

Hazard Information

Emergency Overview: WARNING! Keep away from heat, sparks, and flame. This material is irritating to skin, eyes and

respiratory tract.

Eye Contact:

Causes eye irritation. Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain,

tearing, and hazy vision.

Skin Contact:

May cause an allergic skin reaction. May cause a rash and itching of the skin. May be absorbed

through the skin and contribute to the symptoms listed under ingestion.

Inhalation:

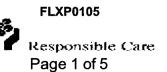
May cause vomiting. Illness may occur after a single overexposure by inhalation to relatively large

quantities of this material.

Ingestion:

May be harmful if large amounts are swallowed. May cause stomach discomfort. May cause

vomiting. This product has laxative properties and may result in abdominal cramps and diarrhea.



MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION

4. FIRST AID MEASURES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get

medical attention if irritation persists.

On Skin: Remove containinated clothing. wash skin with water, using soap if available. Remove

contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhaled: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get

immediate medical attention.

Swallowed: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician.

Never give anything by mouth to an unconscious person.

Notes To Physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of

physician and individual reactions of patient.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C):

350°F / 177°C

Flash Point Method:

Pensky-Martens Closed Cup

Autoignition Temp. (°F/C):

986°F

Lower Explosion Limit in Air (LEL): Upper Explosion Limit in Air (UEL): Not Determined Not Determined.

Extinguishing Media:

Water fog, carbon dioxide, foam, dry chemical

Special Exposure Hazards:

Fight fire from a safe distance and from a protected location. Use water spray to

cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Do not

allow runoff to enter waterways.

Special Protective Equipment:

Fire fighters should wear full protective clothing, including self-contained breathing

equipment:

Unusual Fire/Explosion Hazards:

Toxic emissions may result if product is involved in a fire. Fire produces highly

toxic sulfur dioxide gas

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Wear protective equipment. Sweep, vacuum or shovel and place in closable

container for disposal.

Procedure for Cleaning/Absorption:

Isolate spill and stop leak where safe. Scoop up and remove. Do NOT spread

spilled product with water.

CERCLA Reportable Quantity (RQ):

Not Applicable

7. HANDLING AND STORAGE

Handling:

Good hygienic practices should be observed. Work clothes should be washed seperately at the end of each

work day. Disposable clothing should be discarded with material. Avoid contact with eyes, skin and clothing. Reclose containers of unused product. Wash hands before eating, drinking, chewing gum, using

tobacco or using the toilet. Do not reuse this container.

Storage:

Store closed containers in a cool, dry, well-ventilated area. Store away from strong acids. Avoid exposure to

direct sunlight. Do not double stack.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear safety glasses or goggles to protect against exposure.

Skin Protection:

Normal work coveralls. Launder contaminated clothing before reuse.

Gloves:

Use gloves as a standard industrial handling procedure. All cleanable impervious glove

types are acceptable.



Respiratory Protection: Appropriate respiratory protection shall be worn when applied engineering controls are not

adequate to protect against inhalation exposure. Firefighting, use a Positive Pressure

Demand Full Face Self Contained Breathing Apparatus.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within

their exposure limits during the use of this product. If air is to be recirculated, it must be

filtered properly. Use local exhaust to control to recommended P.E.L.

Flexsys PEL/8Hr TWA: 0.5 mg/m3 (Skin*). Paraffin Wax = OSHA Pel/8Hr TWA: 2 mg/m3 **Airborne Exposure Limits:**

(fume). ACGIH TLV/8Hr TWA: 2 ma.m3 (fume).

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

White to off-white granules.

Odor:

STRONG, PUNGENT

:Ha

N/A

Specific Gravity:

1.26 @ 25°C Unknown

Density: **Bulk Density:**

1260 kg/m3

Melting Point (°F/C): Boiling Point (°F/C): 85°C

Vapor Pressure: Vapor Density (Air=1): Not Determined

Not Determined Negligible

% Volatile by Volume: 0.7% max Solubility in Water:

Other Solubility:

INSOLUBLE

Viscosity:

Soluble in Acetone Organic liquids, including fats and oils Alcohol Not determined.

Other Data:

Not determined.

Molecular Weight:

Mixture

Molecular Formula:

C14-H15-O2-N-S Mixture

STABILITY AND REACTIVITY 10.

Chemical Stability:

Stable when stored at room temperature in closed, original container. Stable under normal conditions of handling, use and transportation. Stable if protected from heat

and exposure to air. Loses potency with time Protect from moisture

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Keep away from heat, sparks and flame. Heat. Moisture.

Materials to Avoid: Contact with acids.

Hazardous Decomposition Products:

Additional Guidelines:

Toxic fumes Carbon monoxide Oxides of nitrogen Sulfur dioxide

Not Applicable

11. TOXICOLOGICAL INFORMATION

Target Organs

Acute Oral LD50 (mg/kg):

>2600 mg/kg

Acute Dermal LD50 (mg/kg):

>5010 mg/kg

Acute Inhalation LC50 (mg/l):

Not Determined

Principle Routes of Exposure:

Eyes. Inhalation. Dermal - skin.

Ingestion:

May be harmful if large amounts are swallowed. May cause stomach discomfort.

May cause vomiting. This product has laxative properties and may result in

abdominal cramps and diarrhea.

Skin Contact:

May cause an allergic skin reaction. May cause a rash and itching of the skin. May be absorbed through the skin and contribute to the symptoms listed under

ingestion.





Responsible Care

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Inhalation: May cause vomiting. Illness may occur after a single overexposure by inhalation to

relatively large quantities of this material.

Eve Contact: Causes eye irritation. Moderate Eye Irritation: signs/symptoms can include

redness, swelling, pain, tearing, and hazy vision.

Pulmonary disorders. Dermal ailments. **Aggravated Conditions:**

Carcinogenicity Comment: This product or one of its ingredients present 0.1% or more is NOT listed as a

carcinogen or suspected carcinogen by NTP, IARC, or OSHA. Carcinogenic:

Category 3

Other: Decomposition products and fumes from vulcanization and cross-linking may

cause eve, skin and respiratory sensitization. May be a skin sensitizer.

Primary Irritation Effect: Moderately irritating. Sensitizer.

Carcinogenicity: Both negative and positive results in standard tests using animals, animal and

bacterial cells.

No adverse effects in standard tests using yeast cells. **Genotoxicity:**

Reproductive/Developmental

Toxicity:

No evidence of teratogenicity in animal studies using rats, mice and hamsters

12. **ECOLOGICAL INFORMATION**

Acute Fish Toxicity: 96Hr LC50 Rainbow Trout = 0.40 mg/l. 96Hr LC50 Bluegill Sunfish = 1.20 mg/l.

96Hr LC50 Fathead Minnow = 0.42 mg/l.

Acute Crustaceans Toxicity: 48Hr EC50 Daphnia Magna: 32.0 mg/l. 96Hr EC50 Algae = 21.0 mg/l

Acute Algae Toxicity: 4600

Octanol/Water Coefficient:

Chemical Fate Information: Bioconcentration Factor: 130 (calculated).

Other Information: Not Available

DISPOSAL CONSIDERATIONS 13.

Disposal of Waste Method:

This material is not a RCRA hazardous waste. Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations. Empty containers should be handled in a manner not to cause dusting during collection, transporation and disposal.

Contaminated Packaging:

If empty container retains product residues, all label precautions must be observed. Store away from ignition sources. Transport with all closures in place. Return for reuse or dispose according to national or local regulations. Dispose of container according to national or local regulations.

14. TRANSPORT INFORMATION

DOT:DOT Status: Regulated for AIR only

AVIATION REGULATED SOLID, NOS, NOTE: Regulated for AIR transport **DOT Shipping Name:**

ONLY. RUBBER PRESERVATIVE, N.O.I.B.N. (non-air).

DOT Reportable Quantity (!bs):

None

ICAO/IATA:Status: AVIATION REGULATED SOLID, NOS, [N-(CYCLOHEXYLTHIO)-PHTHALIMIDE,

9, UN3335. RUBBER PRESERVATIVE, N.O.I.B.N. (for non-air transport)

Proper Shipping Name:

See DOT

UN/NA Number:

UN3335 (Air Only). NONE for other modes.

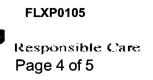
IMDG:Status: **Proper Shipping Name:** See DOT See DOT

TDG (Canada):Status:

See DOT

Proper Shipping Name:

See DOT



15. **REGULATORY INFORMATION**

Worldwide Inventory Status

TSCA (USA): Listed Canadian DSL: Listed Canadian NDSL: N/A **EINECS/ELINCS (Europe):** Listed Japanese Inventory (ENCS): Listed Korean Chemical Inventory (ECL): Listed **Australian Chemical Inventories** Listed

(AICS):

New Zealand (NZ): Listed Phillipines (PICCS) Inventory: Listed China (CLECS): Listed

US Regulatory Rules

SARA Section 302: None Found SARA 311/312 Hazard Catagories:

Immediate Delayed

SARA 313 Chemical:

N/A

RCRA Status:

Not a RCRA waste.

Other Regulations:

California Proposition 65: NONE New Jersey Right-to-Know List: N/A Pennsylvania Right to Know List: N/A Florida Right to Know: N/A Minnesota Right to Know: N/A MA Right to Know Law: N/A

FDA Status 21 CFR:

Not Regulated For Use in 21 CFR

Canadian Regulations

WHMIS Hazard Class:

D2B TOXIC MATERIALS / Materials Causing Other Toxic Effects

NPRI:

N/A

OTHER INFORMATION 16.

Hazard Rating Systems:

HMIS Classification: NFPA Rating:

HEALTH 2, FLAMMABILITY 1, REACTIVITY 0 HEALTH 2, FLAMMABILITY 1, REACTIVITY 0

The following has been revised since the last issue of this MSDS:

Nothing has been revised.

Additional Information:

WHMIS Ingredient Disclosure List (Canada)

Important Note:

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END OF MSDS

