

Material Safety Data Sheet FLXP0014

Date of Printing:

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PERKACIT DPTT

MSDS NO.

FLXP0014

Chemical Name:

Dipentamethylenethiuram Tetrasulfide

Synonyms:

Bis(pentamethylene)thiuram tetrasulfide; 1,1'-(Tetrathiodicarbonothioyl)-bis-piperadine; Piperadine, 1,1'-

(tertathiodicarbonothioyl)-bis-;

Accelerator. Use:

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: SETIQ:

613-996-6666 (Canada)

91-800-00-214 (Mexico)

Prepared By:

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

COMPOSITION/INFORMATION ON INGREDIENTS

Components/CAS#

Percent

Dipentamethylenethiuram

96-100

Tetrasulfide 120-54-7

White Mineral Oil

0-3

8042-47-5

HAZARDS IDENTIFICATION

Hazard Information

Emergency Overview: WARNING! Combustible dust - explosion potential. Causes eye irritation. May irritate the skin.

Causes respiratory irritation. May cause alcohol intolerance.

Eye Contact:

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

and tearing.

Skin Contact:

May be absorbed through the skin and product effects similiar to those caused by inhalation and/or

ingestion.

Exposure to dust particles generated from this material may cause irritation of the respiratory tract.

Inhalation may cause alcohol intolerance

Ingestion:

Inhalation:

May cause alcohol intolerance (Antabuse Effect) May cause headache, dizziness, nausea,

vomiting, gastrointestinal irritation.

MARKETED BY

HARWICK STANDARD DISTRIBUTION CORPORATION

FLXP0014

60 S. Seiberling Street • Akron, Ohio 44305



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FIRST AID MEASURES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get In Eyes: medical attention if irritation persists.

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get

immediate medical attention.

irritation persists.

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.

Treat symptomatically. Exposure by ingestion, inhalation or skin absorbtion may cause alcohol Notes To Physician:

intolerance (Antabuse Effect)

FIRE FIGHTING MEASURES

Flash Point (°F/C): Not Determined Flash Point Method: Not Determined Autoignition Temp. (°F/C): Not Determined

Lower Explosion Limit in Air (LEL) Not determined.

On Skin

Inhaled:

Upper Explosion Limit in Air (UEL) Not determined.

Special Protective Equipment:

Unusual Fire/Explosion Hazards

Spill Procedures:

Storage

Eye Protection: Skin Protection:

Water fog, carbon dioxide, foam, dry chemical Extinguishing Media:

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.

Full protective clothing and approved self-contained breathing apparatus required for

fire fighting personnel.

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

ACCIDENTAL RELEASE MEASURES

Wear protective equipment specified. Avoid the generation of dust. Sweep,

medical attention. Remove contaminated clothing and launder before reuse. Get medical attention if

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

vacuum, or shovel and place into closable container for disposal.

Procedure for Cleaning/Absorption: Isolate area and remove sources of friction, impact, heat, low level electrical

current, and RF energy, Isolate spill and stop leak where safe, Remove ignition

sources and work with non-sparking tools. Scoop up and remove. Do NOT spread

spilled product with water.

Not Applicable CERCLA Reportable Quantity (RQ):

HANDLING AND STORAGE

Handling Avoid contact with eyes, skin and clothing. Avoid generating or breathing dust. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Reclose containers of unused product. Keep containers tightly closed when not in use. Do not reuse

> this container. Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials.

Store away from strong acids. Avoid exposure to direct sunlight. Do not double stack.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear safety glasses or goggles to protect against exposure.

Normal work coveralls. Launder contaminated clothing before reuse



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WILL NOT OCCUR Hazardous Polymerization: Conditions to Avoid: as liquid chlorine and concentrated oxygen. Materials to Avoid: Contact with acids. Contact with oxidizing agents. **Hazardous Decomposition Products:** Carbon monoxide. Oxides of nitrogen. Oxides of sulfur Not Applicable Additional Guidelines: 11. **TOXICOLOGICAL INFORMATION Target Organs** Acute Oral LD50 (mg/kg): >5000 mg/kg Not Determined Acute Dermal LD50 (mg/kg): Not determined Acute Inhalation LC50 (mg/l): **Principle Routes of Exposure:** Dermal - skin. Inhalation.

Density: Not Determined **Bulk Density:** 200-260 kg/m3 @20°C Melting Point (°F/C): 239°F / 115°C Boiling Point (°F/C): Not determined. Vapor Pressure: Nealigible % Volatile by Volume: <0.5% by weight

Vapor Density (Air=1): Not Determined Solubility in Water:

Gloves:

Ventilation

Appearance:

Specific Gravity:

Other Solubility: Viscosity:

Molecular Weight:

Chemical Stability:

Molecular Formula:

Other Data:

Odor:

:Ha

Respiratory Protection

Airborne Exposure Limits

INSOLUBLE

384.7

Soluble in Benzene Carbon Disulfide Organic liquids, including fats and oils Chloroform Not determined.

Not determined.

filtered properly.

White to off-white powder

SLIGHT AROMATIC

N/A

1.5 @20°C

C12-H20-N2-S6

10.

normal conditions of handling, use and transportation.

Keep away from heat, sparks and flame. Avoid contact with strong oxidants such

Stable when stored at room temperature in closed, original container. Stable under

STABILITY AND REACTIVITY

Use gloves as a standard industrial handling procedure. Appropriate chemical resistant

exceeded..... Or over exposure is likely. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

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

Nuisance Dust. OSHA PEL/8Hr-TWA = 15 mg/m3 (Total Dust). OSHA PEL/8-Hr TWA = 05

mg/m3 (Respirable Dust). ACGIH TLV/8-Hr TWA = 10 mg/m3. White Mineral Oil OSHA

gloves should be worn. All cleanable impervious glove types are acceptable. Use in a well ventilated area. Use approved NIOSH respiratory protection if TLV

PEL/8-Hr TWA = 5mg/m3 ACGIH TLV/8-Hr TWA = 5mg/m3

PHYSICAL AND CHEMICAL PROPERTIES

Ingestion:

Skin Contact:

May cause alcohol intolerance (Antabuse Effect) May cause headache, dizziness,

nausea, vomiting, gastrointestinal irritation.

May be absorbed through the skin and product effects similiar to those caused by

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inhalation and/or ingestion. Exposure to dust particles generated from this material may cause irritation of the Inhalation respiratory tract. Inhalation may cause alcohol intolerance

> Causes mild eve irritation. Mild Eve Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

Alcohol consumption problems.

Category 3 NOTE: May react with nitrosating agents during rubber vulcanization to form nitrosamines. Some nitrosamines are suspect human carcinogens.

Ingestion of the product may result in vomiting.

Practically non-irritating **Primary Irritation Effect:**

Negative in standard tests using bacteria and yeast cells. Carcinogenicity:

Genotoxicity: Not determined

Reproductive/Developmental Toxicity:

Other:

Eve Contact:

Aggravated Conditions:

Carcinogenicity Comment:

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

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:

12. **ECOLOGICAL INFORMATION**

Acute Fish Toxicity: 48Hr LC50 Orizias Latipes = 500 mg/l.

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Octanol/Water Coefficient: 2.8 log P

Chemical Fate Information: Not determined

Other Information: Similar compounds exhibit at least moderate toxicity to aquatic species.

DISPOSAL CONSIDERATIONS 13.

Disposal of Waste Method:

This product, if disposed as received, is a non-hazardous waste. Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations. Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

Contaminated Packaging:

If empty container retains product residues, all label precautions must be observed. Transport with all closures in place.

Return for reuse or dispose according to national or local regulations. Do NOT reuse container. Dispose of container according to national or local regulations.

TRANSPORT INFORMATION

DOT:DOT Status: Not Regulated NONE **DOT Shipping Name:**

None

DOT Reportable Quantity (lbs): ICAO/IATA:Status:

NONE

Proper Shipping Name: UN/NA Number:

None NONE

IMDG:Status:

Not Regulated

Proper Shipping Name:

None

15.

TDG (Canada):Status: None

Not determined

Proper Shipping Name:

REGULATORY INFORMATION



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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): Not Determined **US Regulatory Rules** SARA Section 302: Not Applicable SARA 311/312 Hazard Catagories: **Immediate** SARA 313 Chemical: N/A Not a RCRA waste. **RCRA Status:** 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: Regulated for Use under the following sections of 21 CFR: 177.2600 Rubber Articles Intended for Repeated Use in Food Contact. 175.300 Resinous and Polymeric Coatings. 177.1210 Closures with Sealing Gaskets for Food Containers. Canadian Regulations WHMIS Hazard Class: NON-CONTROLLED NPRI: N/A OTHER INFORMATION 16. **Hazard Rating Systems: HMIS Classification:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0 HEALTH 1, FLAMMABILITY 1, REACTIVITY 0 NFPA Rating: The following has been revised since the last issue of this MSDS: Nothing has been revised. Additional Information: Not Applicable Important Note: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user. ***END OF MSD\$***

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