

H02 01664

HOSPECO

Material Safety Data Sheet

EMERGENCY TELEPHONE 800-424-9300 (Chemtree)
 Hospital Specialty Company • 670 Alpha Drive • Cleveland, OH 44143
 800-321-9832 (8:30 am - 4:30 pm EST)

Health: 1
 Flammability: 1
 Reactivity: 0

Chloroscreen

MATERIAL	DATE ISSUED	DOT HAZARD CLASSIFICATION
Chloroscreen	03/31/04 – Revised	Not hazardous
CAS NO.	Mixture	DOT SHIPPING NAME
	Supercedes	Not regulated
	12/02/03	DOT LABEL None
CHEMICAL NAME 1-chloro-5, 5-dimethylhydantoin		

***** I - INGREDIENTS *****

APPROXIMATE

	WEIGHT %	TWA/TLV
1-chloro-5,5-dimethylhydantoin (CAS No. 6921-17-1)	75.1	None established
1,3-dichloro-5,5-dimethylhydantoin (CAS No. 118-52-5)	4.2	0.2 mg/m ³ OSHA-PEL) 0.4 mg/m ³ (OSHA-STEL) 0.2 mg/m ³ (ACGIH-TLV)
sodium chloride (CAS No. 7647-14-5)	3.3	None established
N,N'-Ethylenebisstearamide (CAS No. 110-30-5)	*	15 mg/m ³ (OSHA-PEL) (total particulates) (particulates not otherwise regulated) 5 mg/m ³ (OSHA-PEL) (respirable fraction) (particulates not otherwise regulated) 10 mg/m ³ (ACGIH-TWA) (total particulates) (particulates not otherwise classified)
N,N'-Ethylenebispalmitamide (CAS No. 5518-18-3)	*	15 mg/m ³ (OSHA-PEL) (total particulates) (particulates not otherwise regulated) 5 mg/m ³ (OSHA-PEL) (respirable fraction) (particulates not otherwise regulated) 10 mg/m ³ (ACGIH-TWA) (total particulates) (particulates not otherwise classified)
Proprietary colorant	0.5	None established

* The sum of the two asterisked components is 16%

***** II - PHYSICAL AND CHEMICAL PROPERTIES *****

APPEARANCE white solid with blue specks	pH Not known
VISCOSITY Not applicable	ODOR slight halogen
BOILING POINT Not applicable	MELTING OR FREEZING POINT Unknown
VAPOR DENSITY (Air=1) Not applicable	VAPOR PRESSURE (mm Hg) Not applicable
PERCENT VOLATILE (by volume) nil	SOLUBILITY IN WATER Slightly
EVAPORATION RATE (Butyl Acetate=1) Not know	SPECIFIC GRAVITY (WATER = 1) Not known

***** III - FIRE AND EXPLOSION INFORMATION *****

FLASH POINT >200°F	AUTO IGNITION TEMPERATURE Not known
LOWER EXPLOSION LIMIT (%) Not applicable	UPPER EXPLOSION LIMIT (%) Not applicable
EXTINGUISHING MEDIA	FOAM X ALCOHOL FOAM CO ₂
	DRY CHEMICAL X WATER X OTHER

SPECIAL FIRE FIGHTING PROCEDURES:

Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Products of combustion are toxic.

***** IV - HEALTH EFFECTS INFORMATION *****

ROUTES OF ENTRY -	SKIN CONTACT X	EYE CONTACT X
	INHALATION X	INGESTION

EFFECTS OF OVEREXPOSURE

No human overexposure information available. Direct skin and eye contact may result in irritation. Inhalation of high concentrations may cause irritation. Repeated skin exposure may induce sensitization.

OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS:

No effects indicated.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention.

Skin: Immediately wipe away excess material with a dry cloth while removing contaminated clothing and shoes. Wash with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing and shoes.

Ingestion: If swallowed, immediately give 3-4 glasses of water. DO NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

CHEMICALS LISTED AS CARCINOGEN BY:

NATIONAL TOXICOLOGY PROGRAM -	No
I.A.R.C. MONOGRAPHS -	No
OSHA -	No

***** V - REACTIVITY INFORMATION *****

STABILITY:	STABLE X	CONDITIONS TO AVOID
	UNSTABLE	None known

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce toxic vapors/fumes of chlorine, organic materials and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
MAY	WILL NOT X None known
OCCUR	OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID)

WATER **OTHER** X Strong acids and alkalis, high storage temperatures.

***** VI - SPILL AND DISPOSAL INFORMATION *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CAUTION! Do not get in eyes or on skin. Do not breath dust. For spills, wear appropriate protective gear, and respiratory protection. Where dust may be generated, wear full-face respiratory protection.

WASTE DISPOSAL METHODS

Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

ENGINEERING CONTROLS

In processes where dusts or airborne particulates may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION

In processes where dusts or airborne particulates may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

***** VII - PERSONAL PROTECTION INFORMATION *****

PROTECTIVE GLOVES

Rubber or neoprene, to prevent skin contact.

EYE PROTECTION

Wear chemical goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

OTHER PROTECTIVE EQUIPMENT

Eye wash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), to prevent skin contact.

***** VIII - STORAGE AND HANDLING *****

PRECAUTIONS FOR STORAGE AND HANDLING:

Avoid generating dust. Store in a cool, dry place. Avoid heat and direct sunlight. Keep container closed.

***** IX - TOXICOLOGY INFORMATION *****

No information is available on this material. As with all materials of unknown toxicity, avoid contact and keep exposure to a minimum.

***** X - MISCELLANEOUS AND REGULATORY INFORMATION *****

FEDERAL LEVEL REGULATIONS:

This material is not EPA FIFRA registered. It may not be used commercially in applications which require EPA FIFRA registration.

TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS:

The components of this product are currently listed on the U.S. EPA TSCA 8(b) inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires notification of the National Response Center (Telephone 800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302.4:

<u>Chemical Name</u>	<u>Typical Maximum</u> <u>CAS Number</u> <u>Concentration</u>
None known	

SARA Title III, Sections 302/304 (Superfund Amendments and Reauthorization act of 1986) - This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and release Reportable Quantities (RQs) listed for the Components in 40 CFR 355:

<u>Chemical Name</u>	<u>Typical Maximum</u> <u>CAS Number</u> <u>Concentration</u>
None known	

SARA Title III Sections 311/312 - This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

<u>Chemical Name</u>	<u>Hazard *)</u> <u>CAS Number</u> <u>Categories</u>
None known	

***) The five hazard categories are as follows: F=FIRE HAZARD; S= SUDDEN RELEASE OF PRESSURE; R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD; C=DELAYED (CHRONIC) HEALTH HAZARD**

******* X - MISCELLANEOUS AND REGULATORY INFORMATION (continued) *******

FEDERAL LEVEL REGULATIONS (continued):

SARA Title III Section 313 - This act requires submission of annual reports of the releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

<u>Chemical Name</u>	<u>Typical Maximum</u>	<u>CAS Number</u>	<u>Concentration</u>
None known			

STATE RIGHT-TO-KNOW REGULATIONS:

CALIFORNIA PROPOSITION 65 - Components present in this material which the State of California has found to cause cancer, birth defects or other reproductive harm are as follows:

<u>Chemical Name</u>	<u>Typical Maximum</u>	<u>CAS Number</u>	<u>Concentration</u>
None known			

MASSACHUSETTS Right-to-Know - The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>Typical Maximum</u>	<u>CAS Number</u>	<u>Concentration</u>
None known			

MICHIGAN Critical Materials - The following components of this material are included in the Michigan Critical Materials List:

<u>Chemical Name</u>	<u>CAS Number</u>
None known	

NEW JERSEY Right-to-Know - The following components of this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>Typical Maximum</u>	<u>CAS Number</u>	<u>Concentration</u>
None known			

PENNSYLVANIA Right-to-Know - The following components of this material are included in the Pennsylvania Hazardous Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>Typical Maximum</u>	<u>CAS Number</u>	<u>Concentration</u>
None known			