

Material Safety Data Sheet

Health: 1
 Flammability: 1
 Reactivity: 0

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)

Chloroscreen

MATERIAL	DATE ISSUED	DOT HAZARD CLASSIFICATION
Chloroscreen	03/31/04 – Revised	Not hazardous
CAS NO.	Mixture	DOT SHIPPING NAME
	Supersedes	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

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:

	Typical Maximum	
<u>Chemical Name</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:

	Typical Maximum	
<u>Chemical Name</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:

	Hazard *)	
<u>Chemical Name</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			