

ISSUE DATE: 1/15/2012

REVISION DATE: 4/15/2015

I PRODUCT AND COMPANY IDENTIFICATION**GHS PRODUCT IDENTIFIER:**

TRADE NAME; CHEMSAFE GREEN-D

OTHER MEANS OF IDENTIFICATION:**RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

RECOMMENDED USE: CLEANING COMPOUND

SUPPLIER'S DETAILS:

1480 GRANDVIEW AVE.
THOROFARE, NJ 08086
(800)767-6933

EMERGENCY PHONE NUMBER:

COMPANY PHONE NUMBER: (800)767-6933

(24HR) EMERGENCY NUMBER: CHEM-TREC (800)424-9300

II HAZARD IDENTIFICATION**GHS CLASSIFICATION:**

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

PHYSICAL HAZARDS:

None listed in GHS

HEALTH HAZARDS:

SKIN IRRITATION
SERIOUS EYE DAMAGE / IRRITATION

CATEGORY 2 (concentrate form)
CATEGORY 2 (concentrate form)

LABEL ELEMENTS:**SIGNAL WORD: WARNING****HAZARD STATEMENTS:**

Causes skin irritation
Causes serious eye irritation

HAZARD SYMBOLS:**PRECAUTIONARY STATEMENTS:**

Keep out of reach of children.
Wash hands, face and all exposed skin areas after handling.
Wear protective gloves/protective clothing/eye protection/face protection

PRECAUTIONARY STATEMENTS (RESPONSE):

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IN CASE OF FIRE: Use media suitable for surrounding fire.

PRECAUTIONARY STATEMENTS (STORAGE):

No special precautions listed in GHS

PRECAUTIONARY STATEMENTS (DISPOSAL):

No special directive in GHS

OTHER HAZARDS:

Repeated or prolonged exposure can cause skin dryness or cracking.

III PHYSICAL / CHEMICAL CHARACTERISTICS

| INGREDIENT IDENTITY | CAS NUMBER | PERCENTAGE |
|-------------------------|------------|-------------|
| 2-BUTOXYETHANOL | 111-76-2 | PROPRIETARY |
| SODIUM TRIPOLYPHOSPHATE | 7758-29-4 | PROPRIETARY |

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

IV FIRST AID MEASURES

INGESTION: If swallowed, drink copious amounts of water to dilute. Do not induce vomiting unless told to do so by doctor or physician. Seek medical advice/attention. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If irritation occurs get medical advice.

INHALATION: Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician if you feel unwell.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If irritation persists get medical attention/advice.

Most Important Symptoms and Effects, Acute and Delayed

INGESTION: Symptoms may include diarrhea, gastric pain, and vomiting.

SKIN CONTACT: Symptoms may include redness, dryness and cracking of skin.

INHALATION: Symptoms may include irritation of respiratory tract

EYE CONTACT: Symptoms may include stinging, tearing, redness and blurred vision.

Indication of immediate medical attention and special treatment needed, if necessary.

Treat Symptomatically.

V FIRE FIGHTING MEASURES

Suitable extinguishing media: Use methods suitable for surrounding fire
Unsuitable extinguishing media-Not flammable.

Specific hazards arising from the chemical: No further relevant information available.

Hazardous thermal decomposition products: carbon monoxide and CO₂

Special protective actions for fire-fighters: Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

VI ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

Environmental precautions: Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

Methods and materials for containment and cleaning up.

Small spill: Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

VII HANDLING AND STORAGE

Precautions for Safe Handling:

Safe Handling Advice: Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

Conditions for safe storage including any incompatibilities:

Store in a dry, well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use. Do not store in unlabeled containers. Keep away from children.

VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

| <u>Ingredient Identity</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>NIOSH IDLH</u> |
|-----------------------------|------------------|---------------------------------------|-------------------|
| 2-butoxyethanol 111-76-2 | TWA 20ppm | TWA 50ppm TWA 240mg/m ³ | IDLH 700ppm |
| Sodium Tripolyphosphate | Not Established | Not Established | |

Appropriate Engineering Controls

Engineering Controls: Use with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and maintain air concentrations below occupational exposure standards.

Individual protection measures, such as personal protective equipment. (PPE)

Eye/Face Protection: Wear approved tightly sealed safety goggles

Skin & Body Protection: Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

Respiratory Protection: If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance: green colored liquid
Odor: mild
Odor threshold: not available
pH: 11-11.4
Melting Point/Freezing Point: Not Determined
Initial Boiling Point/Range: Not Determined
Flash Pt: Not Applicable
Evaporation Rate: Not Determined (butyl acetate=1)
Lower explosive limits: Not Applicable
Upper explosive limits: Not Applicable
Vapor Pressure: Not Determined
Vapor Density: Not Determined (air=1)
Relative Density: 1.03
Solubility in water: Soluble
Partition coefficient: not applicable
Auto ignition temp: not applicable
Decomposition Temp: not available
Viscosity: water thin

X STABILITY AND REACTIVITY

Reactivity: Stable in normal ambient temperature and pressure
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: not under normal conditions of storage and use.
Conditions to Avoid: No further relevant information available.
Incompatible Materials: Oxidizing materials
Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide

XI TOXICOLOGICAL INFORMATION

Acute toxicity: not classified

Skin corrosion irritation: classified, Category 2, 2-butoxy ethanol 111-76-2
Category 2, Sodium Tripolyphosphate 7758-29-4

Serious Eye damage: classified, Category 2, 2-butoxyethanol 111-76-2
Category 2, Sodium Tripolyphosphate 7758-29-4

Sensitization: Not classified

Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not Classified

Teratogenicity: Not Available

Specific target Organ Toxicity (single exposure):
Not classified

Specific target Organ Toxicity (repeated exposure)
Not Classified

Aspiration Hazard: Not classified

Information on the likely routes of exposure:

Ingestion: May be harmful if swallowed

Inhalation: Not expected

Skin: Causes skin irritation

Eye: Causes serious eye irritation

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: See section iv, most important symptoms and effects, acute and delayed.

Inhalation: See section iv, most important symptoms and effects, acute and delayed.

Skin: See section iv, most important symptoms and effects, acute and delayed.

Eye: See section iv, most important symptoms and effects, acute and delayed.

Delayed and immediate effects and also chronic effects from short and long term exposure.

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis
Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

Numerical measures of Toxicity

Not Available

XII ECOLOGICAL INFORMATION

| Toxicity: | Ingredient name | Result | Species | Exposure |
|------------------------|-----------------|--------|---------|----------|
| No further information | | | | |

Persistence and degradability:

2-butoxyethanol: 90.4% readily biodegradable after 28 days.

Bioaccumulation Potential:

2-butoxyethanol: BCF 3.16, This material is not expected to bioaccumulate

Mobility in Soil:

2-butoxyethanol: low adsorption to soil particulates predicted

Other adverse Effects:

No further information.

XIII DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state and local regulations.

XIV TRANSPORT INFORMATION

DOT: NOT REGULATED
IATA: NOT REGULATED
IMDG: NOT REGULATED

XV REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All ingredients are listed or exempted with TSCA.

SARA 302/304: no products were found.

SARA 311/312: acute health hazard: yes

| Ingredient | % | FIRE HAZARD | PRESSURE RELEASE | REACTIVE | IMMEDIATE ACUTE | DELAYED CHRONIC |
|-------------------------|-------------|-------------|------------------|----------|-----------------|-----------------|
| Sodium tripolyphosphate | PROPRIETARY | | | | YES | |
| 2butoxyethanol 111-76-2 | PROPRIETARY | YES | | | YES | |

SARA 313: 2-butoxyethanol 111-76-2 PROPRIETARY, REPORTING THRESHOLD-1%

STATE REGULATIONS:

| Ingredient | New York | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|----------|------------|---------------|--------------|
| 2-butoxyethanol 111-76-2 | No | Yes | Yes | Yes |

California Prop 65: none known to meet requirements

XVI OTHER INFORMATION

HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

NOTICE TO READER:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. /furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.