

## SECTION I - IDENTITY

#4002 Trusty Step Super Concentrated Cleaner/Degreaser

Trusty-Step International  
271 Western Avenue  
Suite 103  
Lynn, MA. 01904

Telephone Number for Information (781)-598-1400  
Emergency Phone Number – Local Poison Control Center  
Date Prepared – December 9, 2014  
Prepared By – David Sadlo

## SECTION II – INGREDIENT

INGREDIENT	CAS#	RANGE BY WEIGHT (%)
Water	7732-18-5	Balance to 100
Dipropylene glycol monomethyl ether	34590-94-8	2 - 4
Disodium metasilicate, pentahydrate	10213-79-3	4 - 6
Sodium xylene sulfonate	1300-72-7	10 - 15
Ethoxylated nonylphenol, branched	68412-54-4	1 - 2
Chelating Agent	Proprietary	4 - 6

## SECTION III – HEALTH HAZARD DATA

Emergency Overview – May cause eye and skin irritation

Exposure Routes – Skin contact, eye contact, ingestion

Eye Contact – May cause mild eye irritation. Symptoms include stinging, tearing and redness.

Skin Contact – May cause mild skin irritation. Symptoms may include redness, itching and burning sensation of the skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion – Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts of this material may be harmful and could result in irritation of the gastrointestinal tract.

Inhalation - No hazards known or associated with normal usage

Aggravated medical Conditions – Eyes and skin

## SECTION IV – FIRST AID MEASURES

Eyes – If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation of eyes develops.

Skin – If the material gets on the skin wash affected area with soap and water and remove contaminated clothing. Seek medical attention if rash or irritation develops.

Ingestion – Swallowing small amounts of material will not cause significant harm. If large amounts of material are ingested give one or two glasses of water or milk to drink. Seek medical attention.

DO NOT INDUCE VOMITTING

Inhalation – Move to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

#### **SECTION V – FIRE FIGHTING MEASURES**

Suitable extinguishing media – Carbon Dioxide, foam, dry chemical, water spray.

Hazardous combustion products – Sodium Oxide.

Fire/Explosion Hazard – None known.

Precautions for firefighting – Wear full firefighting gear and use respiratory protection (SCBA). Avoid light metals and its alloys, galvanized material.

#### **SECTION VI – ACCIDENTAL RELEASE MEASURES**

Small Spills – Absorb with inert material. Small amounts of material can be flushed, material is biodegradable.

Large Spills – Dike and collect material into chemical waste container for proper disposal.

Environmental Precautions – Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required for proper disposal.

#### **SECTION VII – HANDLING AND STORAGE**

Handling - As with all chemical products, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking.

Storage – Store in cool dry area away from heat, open flame, or sparks. Do not mix with other chemicals.

KEEP OUT OF REACH OF CHILDREN

#### **SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

General advice – The recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure Controls – Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain airborne levels.

Eye Protection – Not needed under normal working conditions.

Skin Protection – Chemical resistant gloves can be worn when using material but are not required.

#### **SECTION IX – PHYSICAL PROPERTIES**

Color	Clear
Odor	Mild, Detergent
Boiling Point	212°F
Melting Point	Not Applicable
Decomposition Temperature	Not Applicable
Auto Ignition Temperature	Not Applicable
pH	12.8 – 13.2
Vapor Pressure (mm Hg)	20
Vapor Density (air=1)	1.00
Specific Gravity (water =1)	1.08
Evaporation Rate (Butyl acetate=1)	0.30
Solubility in Water	Complete

#### **SECTION X – STABILITY AND REACTIVITY**

Stability – This product is stable

Conditions to Avoid – Heat, open flames and other ignition sources.

Incompatible Products – Avoid contact with strong bases, strong acids or strong oxidizing agents.

Hazardous Decomposition – Thermal decomposition on burning may produce toxic gasses.

Hazardous Reactions – Product will not undergo hazardous polymerization.

#### **SECTION XI – TOXICOLOGICAL INFORMATION**

##### Acute Toxicity

Dipropylene glycol monomethyl ether  
Ingestion LD 50 Rat: > 5000 mg/kg  
Dermal LD50 Rabbit: 7510 mg/kg  
Inhalation LC50 Rat: > 3.35 mg/l (7 Hours)

Disodium metasilicate, pentahydrate  
Oral LD 50 Rat: 600 - 1350 mg/kg  
Dermal LD50: No data available  
Inhalation LC50: No data available

##### Chronic Toxicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen or potential carcinogen by NTP, OSHA and or IARC.

##### Reproductive Toxicity

For similar material(s): In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

##### Target Organs

Eyes, Central Vascular System, Kidney, Liver, Central Nervous System

## SECTION XII – Ecological Information

Ecotoxicity

Ecotoxicity Effects: No information available

Bioaccumulation: No information available

Dipropylene glycol monomethyl ether

Material is practically non-toxic to aquatic organisms on an acute basis

(LC50/EC50/EL50/LL50 > 100 mg/l in the most sensitive species tested. )

Fish LC50 = 1000 mg/l (Pelecilia reticulate) (96h) static

Aquatic Invertebrate LC50 = 1919 mg/l (Daphnia magna) (48h) static

LC50 > 1000 mg/l (Crangon crangon) (96h) semi-static

Plant ErC50 = 969 mg/l (Pseudokirchneriella subcapitata) (96h) static

Disodium metasilicate, pentahydrate

Fish LC50 = 3185 mg/l (Brachydanio reio) (96h) static

Daphnia EC50 = 4857 mg/l (Daphnia magna) (48h) static

Bacteria EC0 > 1000 mg/l (Pseudomonas putida) (48h) static

## SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Methods – Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your local State Water Board or Regional Office of the EPA.

## SECTION XIV – TRANSPORTATION INFORMATION

Unit Containers – 55,30,5,1 Gallon

1 Quart Plastic

Reportable Quantity – Not Applicable

TDG – Not Regulated

DOT – Not Regulated

IATA – Not Regulated

IMDG/IMO – Not Regulated

## SECTION XV – REGULATORY INFORMATION

TSCA Inventory Status: All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.

Canadian Inventory Status: This material contains components that are NOT listed on the Canadian Domestic Substances List (DSL).

Australian Inventory Status: This product contains one or more chemicals currently not on the Australian

## Inventory of Chemical Substances.

### US Federal Regulations:

Section 313 of Title III of the Superfund Amendments and Reauthorization ACT of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS#	Weight (%)	SARA 313 Status
Dipropylene glycol monomethyl ether	34590-94-8	2 – 4	Listed

### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### TSCA 12(b) – Export Notification:

This material does not contain any components that are subject to the US Toxic Substances Control act (TSCA) section 12(b) Export Notification requirements.

### Clean Air Act, Section 12 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any reportable HAPs.

### Chemical Weapons Convention (CWC):

This product does not contain any listed substances.

California Prop. 65 – This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm at levels which require reporting under the state statute.

## **SECTION XVI – OTHER INFORMATION**

The information herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship.

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in use of the material.

Our products are intended for sale to industrial and commercial customers. We encourage customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications.

Warranty - The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer

does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.