**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : **TUFF STUFF**

Other means of identification : Not applicable

Recommended use : Concentrated Heavy Duty Solvent Degreaser

Restrictions on use : For industrial and professional use

Company Steve Green Company

2570 S. Copper Frontage

Steamboat Springs, CO 80487

Emergency telephone (800) 870-8540

Poison control center (800)-222-1222

Issuing date 04/1/2015

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Skin corrosion/irritation Category 2

Serious eye damage/irritation Category 2A

**GHS Label element**

Hazard pictogram : :

 

Signal Word Warning

Hazard Statements Causes serious eye irritation. Causes skin irritation

Precautionary Statements **: Prevention:**

 Wash skin thoroughly after handling. Wear eye protection

 **Response:**

IF IN EYES: Rinse cautiously with water for several minutes.

 Remove contact lenses, if present and easy to do. Continue

 rinsing. If eye irritation persists: Get medical attention.

IF ON SKIN(or hair) Take off immediately all contaminated clothing. Rinse skin with water.

**Other Hazards** : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure Substance/Mixture : Mixture

**Chemical Name CAS-No. Concentration (%)**

Alcohol Ethoxylate 068439463

2-Butoxyethanol 111-76-2 8

**SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of First-Aiders : No special precautions are necessary for first aid responders.

Notes to Physician : No specific measures identified.

Most important symptoms and : See Section 11 for more detailed information on health effects

effects, both acute and delayed and symptoms.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing Media : Use extinguishing measures that are appropriate to local

 Circumstances and the surrounding environment.

Unsuitable extinguishing : None known

media

Specific hazards arising from the : Not flammable or combustible.

chemical

Hazardous combustion : Decomposition products may include the following materials:

products Carbon oxides

 Nitrogen oxides (NOx)

 Sulfur oxides

 Oxides of phosphorus

Specific fire-fighting methods : Use personal protective equipment

Special Protective Equipment : Fire residues and contaminated fire extinguishing water must be

for Fire-Fighters disposed of in accordance with local regulations.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective : Refer to protective measures listed in section 7 and 8.

equipment and emergency

procedures

Environmental precautions : No special environmental precautions required.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with containment and cleaning up non-combustible absorbent material, (e.g. sand, earth,

 diatomaceous earth, vermiculite) and place in container for

 disposal according to local/ national regulations (see section 13).

 Flush away traces with water. For large spills, dike spilled material

 or otherwise contain material to ensure runoff does not reach a

 waterway.

**SECTION 7. HANDLING AND STORAGE**

Advice on Safe Handling : Wash hands thoroughly after handling. Use only with adequate

 ventilation.

Conditions for Safe Storage : Keep out of reach of children. Store in suitable labeled

 containers.

Storage Temperature : Store between the following temperatures: 0 ̊C to 50 ̊C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Ingredients CAS-No. Permissible Basis
 concentration

Alcohol Ethoxylate 66455-12-9 5 – 20 %

2-Butoxyethanol 111-76-2 25 ppm OSHA PEL

 25 ppm ACGIH TLV

Engineering Measures : Good general ventilation should be sufficient to control worker

 exposure to airborne contaminants.

**Personal Protective Equipment**

Eye Protection : No special protective equipment required.

Hand Protection : No special protective equipment required.

Skin Protection : No special protective equipment required.

Respiratory Protection : No personal respiratory protective equipment normally required.

Hygiene measures Wash hands before breaks and immediately after handling the

 product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Liquid

Color : purple

Odor : alcohol-like

pH : 7.66-9.66, 100%

Flash Point : >200 ̊F

Odor Threshold : No data available

Melting Point/Freezing Point : No data available

Initial Boiling Point and : >100 ̊C Boiling Range

Evaporation Rate : No data available

Flammability (solid, gas) : No data available

Upper Explosion Limit : No data available

Lower Explosion Limit : No data available

Vapor Pressure : No data available

Relative Vapor Density : No data available

Specific Gravity : 1.007

Relative Density : No data available

Water Solubility : complete

Solubility in Other Solvents : No data available

Partition Coefficient: n- : No data available octanol/Water

Autoignition Temperature : No data available

Thermal Decomposition : No data available

Viscosity, Kinematic : No data available

Explosive Properties : No data available

Oxidizing Properties : No data available

Molecular Weight : No data available

VOC : 8

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability : Stable under normal conditions

Possibility of hazardous : No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid : None known

Incompatible materials : None known

Hazardous Decomposition : Carbon oxides

Products Nitrogen oxides (NOx)

 Sulfur oxides

 Oxides of phosphorus

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation, Eye contact, Skin contact

exposure

**Potential Health Effects**

Eyes : Causes eye irritation

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic exposure **:** Health injuries are not known or expected under normal use.

**Experience with human exposure**

Eye contact : No symptoms known or expected

Skin Contact : No symptoms known or expected

Ingestion : No symptoms known or expected

Inhalation  **:** No symptoms known or expected

**Toxicity**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : 4 h Acute toxicity estimate : > 40 mg/l

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg

**Toxicity data**

 **Product/ingredient name**

alcohols, c10-16, ethoxylated LC50 Inhalation Rat >50 mg/l

 Dusts and mists

 LD50 Dermal Rat >2000 mg/kg

 LD50 Oral Rat >1000 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye : No data available

Irritation

Respiratory or skin : No data available

sensitization

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT –single exposure : No data available

STOT –repeated exposure : No data available

Aspiration toxicity : No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental Effects **:** Harmful to aquatic life.

**Product**

Toxicity to fish : No data available

Toxicity to daphnia and other : alcohols, c10-16, ethoxylated

aquatic invertebrates 48 h EC50 >0.1 mg/l

Toxicity to algae : No data available

 Persistence and degradability

no data available

 Bioaccumulative potential

no data available

 Mobility in soil

no data available

**Other adverse effects**

no data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The product should not be allowed to enter drains, water courses

 or the soil.

Disposal Considerations : Dispose of in accordance with local, state, and federal regulations.

**SECTION 14. TRANSPORT INFORMATION**

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (DOT)**

Not regulated

**Sea transport (IMDG/IMO)**

Not regulated

**SECTION 15. REGULATORY INFORMATION**

**EPCRA – Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ

**SARA 304 Extremely Hazardous Substance Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards :**  No SARA Hazards

**SARA 302 :** No chemicals in this material are subject to the reporting

 requirements of SARA Title lll, Section 302.

**SARA 313 :** The following components are subject to reporting levels

 established by SARA Title lll, Section 313:

 2-(Butoxyethanol) 111-76-2 4.4562 %

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other

reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**United States TSCA Inventory :**

On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

This product contains one or several components listed in the Canadian NDSL.

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

**Information System (U.S.A)**

 **Health 1**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**13**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**