

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : SSS® Foam Disinfectant Cleaner & Deodorizer

EPA ID Number: 10807-21-12120

Material number : A00250

#### Manufacturer or supplier's details

Company : Triple S

Address : 2 Executive Park Drive  
Billerica, MA 01862

Telephone : 978-667-7900

#### Emergency telephone numbers

For SDS Information : 978-667-7900

For a Medical Emergency : 1-888-779-1339

For a Transportation  
Emergency : 1-888-779-1339

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	white
Odour	characteristic

#### GHS Classification

Gases under pressure : Liquefied gas

Eye irritation : Category 2A

#### GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

### Potential Health Effects

#### Carcinogenicity:

##### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### ACGIH

Confirmed animal carcinogen with unknown relevance to humans

##### OSHA

2-butoxyethanol 111-76-2  
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

##### NTP

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical Name	CAS-No.	Concentration [%]
butane	106-97-8	>= 1 - < 5
2-butoxyethanol	111-76-2	>= 1 - < 5
2-(2-ethoxyethoxy)ethanol	111-90-0	>= 1 - < 5
tetrasodium ethylenediaminetetraacetate	64-02-8	>= 1 - < 5
propane	74-98-6	>= 1 - < 5

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.  
Consult a physician after significant exposure.  
Move to fresh air.
- In case of skin contact : If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.  
Wash contaminated clothing before re-use.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

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### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use water spray to cool unopened containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Always replace cap after use.  
Avoid exposure - obtain special instructions before use.  
Do not breathe vapours or spray mist.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
Observe label precautions.  
Keep in a dry, cool and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Strong oxidizing agents

Storage temperature : 4.4 - 49 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
butane	106-97-8	TWA	800 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	800 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
2-butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 240 mg/m <sup>3</sup>	OSHA Z-1
		TWA	25 ppm 120 mg/m <sup>3</sup>	OSHA P0
2-(2-ethoxyethoxy)ethanol	111-90-0	TWA	25 ppm	US WEEL
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	NIOSH REL

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

		TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	OSHA P0

### Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-BUTOXYETHANOL	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g	ACGIH BEI
Remarks: Creatinine						

### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a liquefied gas

Colour : white

Odour : characteristic

Odour Threshold : no data available

pH : no data available

Melting point/freezing point : no data available

Boiling point : no data available

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

Flash point	:	not applicable
Evaporation rate	:	no data available
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Density	:	no data available
Solubility(ies)		
Water solubility	:	completely soluble
Solubility in other solvents	:	not determined
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	not determined
Thermal decomposition	:	no data available
Viscosity		
Viscosity, kinematic	:	no data available
Heat of combustion	:	4.59 kJ/g

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Vapours may form explosive mixture with air. No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

**SAFETY DATA SHEET**  
**SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)**

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

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

Acute inhalation toxicity : Acute toxicity estimate : > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

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

**Components:**

**butane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h  
  
LC50 rat: 1,355 mg/l

**propane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h  
  
LC50 rat: 658 mg/l  
Exposure time: 4 h  
  
LC50 rat: 1,355 mg/l

**Skin corrosion/irritation**

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Eye irritation

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**butane:**

**2-butoxyethanol:**

**2-(2-ethoxyethoxy)ethanol:**

**tetrasodium ethylenediaminetetraacetate:**

**SAFETY DATA SHEET**  
**SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)**

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

**propane:**

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

**Further information**

**Product:**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

**Product:**

Partition coefficient: n-octanol/water : Remarks: no data available

**Components:**

**butane :**

Partition coefficient: n-octanol/water : Pow: 2.89

**2-(2-ethoxyethoxy)ethanol :**

Partition coefficient: n-octanol/water : Pow: 0.54

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):  
ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

### SECTION 15. REGULATORY INFORMATION

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

#### Pesticide Labeling Information Required Under U.S. FIFRA Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### WARNING

Causes substantial but temporary eye injury.  
Causes moderate eye irritation.  
Harmful if swallowed.

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

Harmful if absorbed through skin.  
Harmful if inhaled.  
Observe label precautions.

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hydroxide	1310-73-2	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

**SARA 311/312 Hazards** : Sudden Release of Pressure Hazard  
Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

2-ethoxyethanol

110-80-5

#### The components of this product are reported in the following inventories:

**TSCA** On TSCA Inventory  
**DSL** This product contains one or several components that are not on the Canadian DSL nor NDSL.  
**AICS** Not in compliance with the inventory  
**NZIoC** Not in compliance with the inventory  
**PICCS** Not in compliance with the inventory  
**IECSC** Not in compliance with the inventory

#### Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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## SECTION 16. OTHER INFORMATION

# SAFETY DATA SHEET

## SSS® FOAM DISINFECTANT CLEANER & DEODORIZER (#05006)

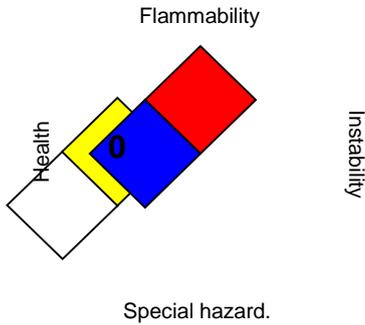
Version 1.2

Revision Date 05/30/2015

Print Date 05/31/2015

### Further information

#### NFPA:



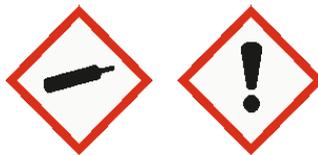
#### HMIS III:

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>2</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### OSHA GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

: **Warning:**  
: Contains gas under pressure; may explode if heated. Causes serious eye irritation.  
: **Prevention:** Wash skin thoroughly after handling. Wear eye protection/ face 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 advice/ attention.  
: **Storage:** Protect from sunlight. Store in a well-ventilated place.  
: **Disposal:** Dispose of contents/container in accordance with local regulation.

Version:	1.2
Revision Date:	05/30/2015
Print Date:	05/31/2015

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