



# Safety Data Sheet

Issue Date: 16-Nov-2012

Revision Date: 06-May-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** SSS 2<sup>nd</sup> Shift Heavy Duty Industrial Degreaser

### Other means of identification

**Product Code** 13078, 13077, 13076  
**UN/ID No** UN1760

### Recommended use of the chemical and restrictions on use

**Recommended Use** Hard surface cleaner.

### Details of the supplier of the safety data sheet

#### **Manufactured for**

Triple S  
2 Executive Park Drive  
Billerica, MA 01862  
www.triple-s.com

#### **Telephone Number**

**Company Phone Number** 1-978-667-7900  
**Emergency Telephone (24 hr)** 1-888-779-1339

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear colorless liquid

**Physical State** Liquid

**Odor** Bland

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1                |

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS No      | Weight-% |
|------------------|-------------|----------|
| Ethanolamine     | 141-43-5    | <5       |
| Trade Secret     | Proprietary | <5       |
| Sodium hydroxide | 1310-73-2   | 1.65     |
| Trade Secret     | Proprietary | <5       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

|                     |                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.                   |
| <b>Skin Contact</b> | Take off contaminated clothing. Wash with plenty of water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>   | Remove to fresh air. Call a physician immediately.                                                                                                  |
| <b>Ingestion</b>    | Give large quantities of water. Do not induce vomiting. Get medical attention.                                                                      |

**Most important symptoms and effects**

|                 |                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | Causes painful stinging or burning of eyes and lids, watering of eyes. Prolonged contact may even cause severe skin irritation or mild burn. |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|

**Indication of any immediate medical attention and special treatment needed**

|                           |                                                                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes to Physician</b> | Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock and convulsions may be necessary. |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

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

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

None known.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Flood area with water and then mop up. Dispose of in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Do not destroy or deface the label. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store containers upright. Store locked up.

**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                 | ACGIH TLV                    | OSHA PEL                                                                                                                                                              | NIOSH IDLH                                                                                          |
|-------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Ethanolamine<br>141-43-5      | STEL: 6 ppm<br>TWA: 3 ppm    | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup><br>(vacated) TWA: 3 ppm<br>(vacated) TWA: 8 mg/m <sup>3</sup><br>(vacated) STEL: 6 ppm<br>(vacated) STEL: 15 mg/m <sup>3</sup> | IDLH: 30 ppm<br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup><br>STEL: 6 ppm<br>STEL: 15 mg/m <sup>3</sup> |
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>                                                                                                    | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup>                                          |
| Trade Secret                  | 2 mg/m <sup>3</sup>          | 2 mg/m <sup>3</sup>                                                                                                                                                   | -                                                                                                   |

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Goggles.

**Skin and Body Protection** Rubber gloves. Aprons.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                        |                       |                |
|-----------------------|------------------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid                 | <b>Odor</b>           | Bland          |
| <b>Appearance</b>     | Clear colorless liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Colorless              |                       |                |

| <u>Property</u>              | <u>Values</u>  | <u>Remarks • Method</u> |
|------------------------------|----------------|-------------------------|
| pH                           | 13.3           |                         |
| Melting Point/Freezing Point | Not available  |                         |
| Boiling Point/Boiling Range  | Not determined |                         |
| Flash Point                  | None           |                         |
| Evaporation Rate             | Not determined |                         |

|                                     |                    |           |
|-------------------------------------|--------------------|-----------|
| <b>Flammability (Solid, Gas)</b>    | n/a-liquid         |           |
| <b>Upper Flammability Limits</b>    | Not determined     |           |
| <b>Lower Flammability Limit</b>     | Not determined     |           |
| <b>Vapor Pressure</b>               | Not available      |           |
| <b>Vapor Density</b>                | Not determined     |           |
| <b>Specific Gravity</b>             | 1.04               | (1=Water) |
| <b>Water Solubility</b>             | Completely soluble |           |
| <b>Solubility in other solvents</b> | Not determined     |           |
| <b>Partition Coefficient</b>        | Not determined     |           |
| <b>Auto-ignition Temperature</b>    | Not determined     |           |
| <b>Decomposition Temperature</b>    | Not determined     |           |
| <b>Kinematic Viscosity</b>          | Not determined     |           |
| <b>Dynamic Viscosity</b>            | Not determined     |           |
| <b>Explosive Properties</b>         | Not determined     |           |
| <b>Oxidizing Properties</b>         | Not determined     |           |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

None known.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Causes severe eye damage.        |
| <b>Skin Contact</b> | Causes severe skin burns.        |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not taste or swallow.         |

### Component Information

| Chemical Name                 | Oral LD50            | Dermal LD50                                     | Inhalation LC50 |
|-------------------------------|----------------------|-------------------------------------------------|-----------------|
| Ethanolamine<br>141-43-5      | = 1720 mg/kg ( Rat ) | = 1 mL/kg ( Rabbit ) = 1025 mg/kg<br>( Rabbit ) | -               |
| Trade Secret                  | = 426 mg/kg ( Rat )  | -                                               | -               |
| Trade Secret                  | = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )                             | -               |
| Sodium hydroxide<br>1310-73-2 | -                    | = 1350 mg/kg ( Rabbit )                         | -               |

|              |                      |   |   |
|--------------|----------------------|---|---|
| Trade Secret | = 4090 mg/kg ( Rat ) | - | - |
| Trade Secret | = 600 mg/kg ( Rat )  | - | - |
| Trade Secret | = 10 g/kg ( Rat )    | - | - |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

|                                   |
|-----------------------------------|
| <b>12. ECOLOGICAL INFORMATION</b> |
|-----------------------------------|

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name                 | Algae/aquatic plants                         | Fish                                                                                                                                                                                                                                                               | Toxicity to microorganisms                                               | Crustacea                         |
|-------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------|
| Ethanolamine<br>141-43-5      | 15: 72 h Desmodesmus subspicatus mg/L EC50   | 227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through | EC50 = 110 mg/L 17 h<br>EC50 = 12200 mg/L 2 h<br>EC50 = 13.7 mg/L 30 min | 65: 48 h Daphnia magna mg/L EC50  |
| Sodium hydroxide<br>1310-73-2 |                                              | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static                                                                                                                                                                                                                    |                                                                          |                                   |
| Trade Secret                  | 242: 120 h Nitzschia mg/L EC50               | 300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static                                                                                                                                                               |                                                                          | 265: 48 h Daphnia magna mg/L EC50 |
| Trade Secret                  |                                              | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50                                                                                                                                                                            |                                                                          | 216: 96 h Daphnia magna mg/L EC50 |
| Trade Secret                  | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static                                                                                                                                                                      |                                                                          | 610: 24 h Daphnia magna mg/L EC50 |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name            | Partition Coefficient |
|--------------------------|-----------------------|
| Ethanolamine<br>141-43-5 | -1.91                 |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Sodium hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |
| Trade Secret                  | Corrosive                         |

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

**UN/ID No** UN1760  
**Proper Shipping Name** Corrosive liquid, n.o.s. (Ethanolamine, Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** III

**IATA**

**UN/ID No** UN1760  
**Proper Shipping Name** Corrosive liquid, n.o.s. (Ethanolamine, Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** III

**IMDG**

**UN/ID No** UN1760  
**Proper Shipping Name** Corrosive liquid, n.o.s. (Ethanolamine, Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** III

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Listed

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

| Chemical Name                 | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|-------------------------------|--------------------------|----------------|-------------------------------------------|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

| Component                              | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide<br>1310-73-2 ( 1.65 ) | 1000 lb                     |                        |                           | X                          |

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Ethanolamine<br>141-43-5      | X          | X             | X            |
| Sodium hydroxide<br>1310-73-2 | X          | X             | X            |

**16. OTHER INFORMATION**

|             |                       |                     |                         |                            |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b>NFPA</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|             | Not determined        | Not determined      | Not determined          | Not determined             |
| <b>HMIS</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|             | 3                     | 0                   | 1                       | C = Goggles, gloves, apron |

Issue Date: 16-Nov-2012  
 Revision Date: 06-May-2014  
 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**