

# TRANSBRITE 9000 ALUMINUM SAFE LIQUID DETERGENT

## Safety Data Sheet

Date of issue: 05/11/2015

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Identification

Product form : Mixture  
Product name : TRANSBRITE 9000 ALUMINUM SAFE LIQUID DETERGENT  
Product code : TB9000

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

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

Allen Woods & Associates  
2515 Clearbrook Dr  
Arlington Heights, IL 60005-4652 - USA  
T 847-806-4000

#### 1.4. Emergency telephone number

Emergency number : CHEMICAL EMERGENCY HOTLINE (800) 424-9300 CHEMTREC

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

|               |        |   |
|---------------|--------|---|
| Skin Corr. 1A | H314 - | Causes severe skin burns and eye damage |
| Eye Dam. 1    | H318 - | Causes serious eye damage               |

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS-US) : P260 - Do not breathe dust, mist, spray  
P264 - Wash clothing, hands, forearms and face thoroughly after handling  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a doctor, a POISON CENTER  
P321 - Specific treatment (see a doctor, a POISON CENTER on this label)  
P363 - Wash contaminated clothing before reuse  
P405 - Store locked up  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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| Name                                      | Product identifier  | %       | Classification (GHS-US)   |
|---|---------------------|---------|---|
| Potassium Carbonate                       | (CAS No) 584-08-7   | 10 - 20 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318                                |
| Sodium Silicate                           | (CAS No) 1344-09-8  | 3 - 5   | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319  |
| Octenylsuccinic Acid                      | (CAS No) 28805-58-5 | 1 - 3   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318 |
| Poly(acrylic acid sodium salt)            | (CAS No) 9003-04-7  | 1 - 3   | Eye Irrit. 2A, H319   |
| Alcohols, C8-10, ethoxylated propoxylated | (CAS No) 68603-25-8 | 1 - 3   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318   |
| Potassium Hydroxide                       | (CAS No) 1310-58-3  | 1 - 3   | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318                                |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.                                 |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.                                 |
| First-aid measures after eye contact  | : 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. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.   |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/injuries                   | : Causes severe skin burns and eye damage. |
| Symptoms/injuries after eye contact | : Causes serious eye damage.               |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

|            |   |
|------------|---|
| Reactivity | : Thermal decomposition generates : Corrosive vapors. |
|------------|---|

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

#### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

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### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash ... thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Potassium Hydroxide (1310-58-3) |                                    |                      |
|---------------------------------|------------------------------------|----------------------|
| ACGIH                           | ACGIH Ceiling (mg/m <sup>3</sup> ) | 2 mg/m <sup>3</sup>  |
| ACGIH                           | Remark (ACGIH)                     | URT, eye, & skin irr |

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or face shield.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : light yellow

Odor : characteristic

Odor threshold : No data available

pH : 12

pH solution : 11.4 (10%)

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Vapor pressure : No data available

Relative density : No data available

Relative vapor density at 20 °C : No data available

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|                            |  |
|----------------------------|--|
| Specific gravity / density | : 1.26   |
| Solubility                 | : Water: Solubility in water of component(s) of the mixture :<br>•: 112 g/100ml •: 64 g/100ml •: 111 g/100ml •: 55 g/100ml •: Complete •: poorly soluble •: > 50 g/100ml (soluble) |
| Log Pow                    | : No data available  |
| Auto-ignition temperature  | : No data available  |
| Decomposition temperature  | : No data available  |
| Viscosity                  | : No data available  |
| Viscosity, kinematic       | : No data available  |
| Viscosity, dynamic         | : No data available  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>Potassium Hydroxide (1310-58-3)</b>            |  |
|---|--|
| LD50 oral rat                                     | 333 mg/kg (Rat; Equivalent or similar to OECD 425; Experimental value)   |
| ATE US (oral)                                     | 333.000 mg/kg body weight  |
| <b>Potassium Carbonate (584-08-7)</b>             |  |
| LD50 oral rat                                     | 1870 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >2000 mg/kg bodyweight; Rat; Experimental value) |
| ATE US (oral)                                     | 1870.000 mg/kg body weight   |
| <b>Octenylsuccinic Acid (28805-58-5)</b>          |  |
| LD50 oral rat                                     | 1190 mg/kg   |
| LD50 dermal rabbit                                | 1750 mg/kg   |
| <b>Sodium Silicate (1344-09-8)</b>                |  |
| LD50 oral rat                                     | > 2000 mg/kg (Rat)   |
| <b>Poly(acrylic acid sodium salt) (9003-04-7)</b> |  |
| LD50 oral rat                                     | > 40000 mg/kg (Rat)  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes severe skin burns and eye damage.<br>pH: 12 |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 12               |
| Respiratory or skin sensitization | : Not classified                                     |
| Germ cell mutagenicity            | : Not classified                                     |
| Carcinogenicity                   | : Not classified                                     |

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|   |   |
|---|---|
| Reproductive toxicity                               | : Not classified  |
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after eye contact                 | : Causes serious eye damage.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

| <b>Potassium Hydroxide (1310-58-3)</b>            |   |
|---|---|
| LC50 fish 2                                       | 80 mg/l (LC50; 96 h; Gambusia affinis; Static system; Fresh water)  |
| <b>Potassium Carbonate (584-08-7)</b>             |   |
| LC50 fish 1                                       | 200 mg/l (LC50; 72 h; Pisces)   |
| EC50 Daphnia 1                                    | 200 mg/l (EC50; FIFRA 72-1; 48 h; Daphnia pulex; Static system; Fresh water; Experimental value)            |
| LC50 fish 2                                       | 68 mg/l (LC50; FIFRA 72-1; 96 h; Oncorhynchus mykiss; Flow-through system; Fresh water; Experimental value) |
| EC50 Daphnia 2                                    | 120 mg/l (NOEC; FIFRA 72-1; 48 h; Daphnia pulex; Static system; Fresh water; Experimental value)            |
| <b>Octenylsuccinic Acid (28805-58-5)</b>          |   |
| EC50 Daphnia 1                                    | 22 mg/l   |
| <b>Sodium Silicate (1344-09-8)</b>                |   |
| EC50 Daphnia 1                                    | 216 mg/l (EC50; 96 h)   |
| LC50 fish 2                                       | 3185 mg/l (LC50; 96 h)  |
| <b>Poly(acrylic acid sodium salt) (9003-04-7)</b> |   |
| LC50 fish 1                                       | > 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oryzias latipes)                               |
| EC50 Daphnia 1                                    | > 100 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)                     |
| Threshold limit algae 1                           | > 100 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus)                    |

### 12.2. Persistence and degradability

| <b>TRANSBRITE 9000 SPRAY DETERGENT</b>   |  |
|--|--|
| Persistence and degradability            | Not established.   |
| <b>Potassium Hydroxide (1310-58-3)</b>   |  |
| Persistence and degradability            | Biodegradability: not applicable.  |
| Biochemical oxygen demand (BOD)          | Not applicable   |
| Chemical oxygen demand (COD)             | Not applicable   |
| ThOD                                     | Not applicable   |
| <b>Potassium Carbonate (584-08-7)</b>    |  |
| Persistence and degradability            | Biodegradability: not applicable. No (test)data on mobility of the substance available.  |
| Biochemical oxygen demand (BOD)          | Not applicable   |
| Chemical oxygen demand (COD)             | Not applicable   |
| ThOD                                     | Not applicable   |
| <b>Octenylsuccinic Acid (28805-58-5)</b> |  |
| Persistence and degradability            | Not established.   |
| <b>Sodium Silicate (1344-09-8)</b>       |  |
| Persistence and degradability            | Biodegradability: not applicable. No (test)data on mobility of the components available. |

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| <b>Sodium Silicate (1344-09-8)</b>                |                                     |
|---|-------------------------------------|
| Biochemical oxygen demand (BOD)                   | Not applicable                      |
| Chemical oxygen demand (COD)                      | Not applicable                      |
| ThOD  | Not applicable                      |
| <b>Poly(acrylic acid sodium salt) (9003-04-7)</b> |                                     |
| Persistence and degradability                     | Not readily biodegradable in water. |

### 12.3. Bioaccumulative potential

| <b>TRANSBRITE 9000 SPRAY DETERGENT</b>            |  |
|---|--|
| Bioaccumulative potential                         | Not established.   |
| <b>Potassium Hydroxide (1310-58-3)</b>            |  |
| Bioaccumulative potential                         | Bioaccumulation: not applicable.                                     |
| <b>Potassium Carbonate (584-08-7)</b>             |  |
| Bioaccumulative potential                         | Bioaccumulation: not applicable.                                     |
| <b>Octenylsuccinic Acid (28805-58-5)</b>          |  |
| Bioaccumulative potential                         | Not established.   |
| <b>Sodium Silicate (1344-09-8)</b>                |  |
| Bioaccumulative potential                         | Bioaccumulation: not applicable.                                     |
| <b>Poly(acrylic acid sodium salt) (9003-04-7)</b> |  |
| Bioaccumulative potential                         | Low potential for bioaccumulation (molecular mass $\geq 700$ g/mol). |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

### TDG

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

**Potassium Hydroxide (1310-58-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not subject to reporting requirements of the United States SARA Section 313

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
|--|---------|

**Potassium Carbonate (584-08-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Octenylsuccinic Acid (28805-58-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Sodium Silicate (1344-09-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Poly(acrylic acid sodium salt) (9003-04-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Alcohols, C8-10, ethoxylated propoxylated (68603-25-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

**CANADA**

No additional information available

**EU-Regulations**

No additional information available

**National regulations**

No additional information available

#### 15.3. US State regulations

**Potassium Hydroxide (1310-58-3)**

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Other information : None.

Full text of H-phrases:

|                       |   |
|-----------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4            |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral) Category 4              |
| Eye Dam. 1            | Serious eye damage/eye irritation Category 1  |
| Eye Irrit. 2A         | Serious eye damage/eye irritation Category 2A |
| Skin Corr. 1A         | Skin corrosion/irritation Category 1A         |
| Skin Irrit. 2         | Skin corrosion/irritation Category 2          |
| H302                  | Harmful if swallowed                          |
| H312                  | Harmful in contact with skin                  |
| H314                  | Causes severe skin burns and eye damage       |
| H315                  | Causes skin irritation                        |
| H318                  | Causes serious eye damage                     |
| H319                  | Causes serious eye irritation                 |

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SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*