# Foaming Tile & Shower Cleaner
Safety Data Sheet

## SECTION 1: Product and company identification

| | | |
|---|---|---|
| Product name | : | Foaming Tile & Shower Cleaner |
| Use of the substance/mixture | : | Cleaner |
| Product code | : | 0144 |
| Company | : | Total Solutions<br>P.O. Box 240014<br>Milwaukee, WI 53224 - USA<br>T 800-743-6417<br>athea.com<br>Contact:Technical Department |
| Emergency number | : | Chemtrec: 1-800-424-9300 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1C H314

### 2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :

GHS05

Signal word (GHS US) : Danger

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

Precautionary statements (GHS US) : Do not breathe mist, spray.
Wash thoroughly after handling
Wear eye protection, protective clothing, protective gloves.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
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.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to comply with local/regional/national/international regulations.

### 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. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|---|---|---|---|
| Glycolic Acid | (CAS-No.) 79-14-1 | 1-5 | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318 |
| Sulfamic Acid | (CAS-No.) 5329-14-6 | 1-5 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319 |
| Sodium Lauriminodipropionate | (CAS-No.) 14960-06-6 | 1-5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318 |

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

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/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Caustic burns/corrosion of the skin.

Symptoms/effects after eye contact : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. Gastrointestinal complaints. Burns to the gastric/intestinal mucosa. Cramps.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media allowed.

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

Reactivity : Upon combustion: CO and CO2 are formed.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

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

General measures : Isolate from fire, if possible, without unnecessary risk.

#### 6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution.

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

For containment : Contain released product, collect/pump into suitable containers.

Methods for cleaning up : Absorb spillage to prevent material damage. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| | | |
|---|---|---|
| Precautions for safe handling | : | Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. |
| Hygiene measures | : | Wash thoroughly after handling. Wash contaminated clothing before reuse. |

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

| | | |
|---|---|---|
| Technical measures | : | Comply with applicable regulations. |
| Storage conditions | : | Keep container closed when not in use. |
| Incompatible products | : | Strong alkalis. |
| Storage area | : | Keep only in the original container. Store in a dry area. Store in a cool area. Keep locked up. |
| Special rules on packaging | : | meet the legal requirements. Keep only in original container. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Glycolic Acid (79-14-1)** |
|---|
| Not applicable |

| **Sulfamic Acid (5329-14-6)** |
|---|
| Not applicable |

| **Sodium Lauriminodipropionate (14960-06-6)** |
|---|
| Not applicable |

### 8.2. Exposure controls

Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary. Safety glasses. Gloves. Protective clothing.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Slightly hazy, blue liquid |
| Odour | : | soap |
| Odour threshold | : | No data available |
| pH | : | 1 |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | > 200 °F Closed Cup |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Flammability | : | No data available |
| Explosive limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Vapour pressure | : | No data available |
| Relative density | : | No data available |
| Relative vapour density at 20°C | : | No data available |
| Density | : | 1.02 g/ml |
| Solubility | : | Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Partition coefficient n-octanol/water (Log Kow) | : | 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 |
| VOC content | : | < 1 % |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Upon combustion: CO and CO2 are formed.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| **Glycolic Acid (79-14-1)** | |
|---|---|
| LD50 oral rat | 2040 mg/kg bodyweight (EPA OPP 81-1: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LC50 Inhalation - Rat | 3.6 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s)) |
| ATE CLP (oral) | 1950 mg/kg bodyweight |
| ATE CLP (gases) | 4500 ppmv/4h |
| ATE CLP (vapours) | 3.6 mg/l/4h |
| ATE CLP (dust,mist) | 3.6 mg/l/4h |

| **Sulfamic Acid (5329-14-6)** | |
|---|---|
| LD50 oral rat | 3160 mg/kg (Rat; Literature study) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| ATE CLP (oral) | 2065 mg/kg bodyweight |

Skin corrosion/irritation : Causes severe skin burns.
pH: 1

Serious eye damage/irritation : Assumed to cause serious eye damage
pH: 1

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Caustic burns/corrosion of the skin.

Symptoms/effects after eye contact : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. Gastrointestinal complaints. Burns to the gastric/intestinal mucosa. Cramps.

Likely routes of exposure : Skin and eyes contact

## SECTION 12: Ecological information

### 12.1. Toxicity

| Glycolic Acid (79-14-1) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | > 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Nominal concentration) |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |

| Sulfamic Acid (5329-14-6) | |
|---|---|
| LC50 - Fish [1] | 70 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 72 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Nominal concentration) |

### 12.2. Persistence and degradability

| Glycolic Acid (79-14-1) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.18 g $O_2$/g substance |
| ThOD | 0.63 g $O_2$/g substance |

| Sulfamic Acid (5329-14-6) | |
|---|---|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

### 12.3. Bioaccumulative potential

| Glycolic Acid (79-14-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | < -1.5 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

| Sulfamic Acid (5329-14-6) | |
|---|---|
| Bioaccumulative potential | Not bioaccumulative. |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

## SECTION 14: Transport information

### Department of Transportation (DOT)

Transport document description (DOT) : UN2967 Sulfamic acid (Solution), 8, III
UN-No.(DOT) : UN2967
Proper Shipping Name (DOT) : Sulfamic acid
Solution
Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT) : 8 - Corrosive


Packing group (DOT) : III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx) : 213
DOT Packaging Bulk (49 CFR 173.xxx) : 240
DOT Special Provisions (49 CFR 172.102) : IB8,IP3,T1,TP33
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 25 kg

| | | |
|---|---|---|
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 100 kg |
| DOT Vessel Stowage Location | : | A |

**Additional information**

| | | |
|---|---|---|
| Other information | : | When transported by ground, this product may be eligible to be shipped as a Limited Quantity utilizing the exception found at 49 CFR 173.154. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required. |

**ADR**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

## SECTION 15: Regulatory information

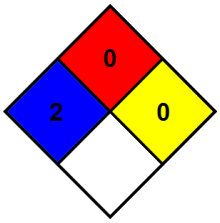
### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

California Proposition 65 - This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.

## SECTION 16: Other information

| | | |
|---|---|---|
| Training advice | : | Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| NFPA health hazard | : | 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury. |
| NFPA fire hazard | : | 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand. |
| NFPA reactivity | : | 0 - Material that in themselves are normally stable, even under fire conditions. |




Prepared by: Technical Department

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