

Foaming Lemon Scented Cleaner/Disinfectant

Safety Data Sheet

SECTION 1: Product and company identification

Product name : Foaming Lemon Scented Cleaner/Disinfectant
 Use of the substance/mixture : Aerosol
 Disinfectant
 Product code : 8422
 Company : Total Solutions
 P.O. Box 240014
 Milwaukee, WI 53224 - USA
 T (414) 354-6417
 Emergency number : Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Liquefied gas H280
 Skin Corr. 1A H314
 Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Contains gas under pressure; may explode if heated
 Causes severe skin burns and eye damage

Precautionary statements (GHS-US) : Do not breathe mist
 Wash thoroughly after handling
 Wear protective clothing, protective gloves, face protection, eye protection
 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 doctor, a POISON CENTER
 Wash contaminated clothing before reuse
 Store locked up
 Protect from sunlight. Store in a well-ventilated place
 Dispose of contents/container to comply with local/regional/national/international regulations
 Keep out of reach of children
 Read label before use
 Keep away from heat, sparks, open flames, hot surfaces. - No smoking
 Pressurized container: Do not pierce or burn, even after use

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
 Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|-----------------------|--------------------|-------|--|
| disodium metasilicate | (CAS No) 6834-92-0 | 1 - 5 | Skin Corr. 1B, H314 STOT SE 3, H335 |

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| Name | Product identifier | % | Classification (GHS-US) |
|--|--------------------|-------|---|
| 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether | (CAS No) 112-34-5 | 1 - 5 | Eye Irrit. 2A, H319 |
| propane | (CAS No) 74-98-6 | 1 - 5 | Flam. Gas 1, H220 Compressed gas, H280 |
| isobutane | (CAS No) 75-28-5 | 1 - 5 | Not classified |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : May be harmful if swallowed. Causes severe skin burns and eye damage.
- 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 : Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. 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 or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

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

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.
- Symptoms/injuries after eye contact : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
- Symptoms/injuries after ingestion : May be harmful if swallowed. Burns to the gastric/intestinal mucosa.

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 : Water spray. Water fog. Foam.

5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Heat may cause pressure rise in tanks/drums: explosion risk. Bursting aerosol containers may be propelled from a fire at high speed.
- Reactivity : Thermal decomposition may produce : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. No action shall be taken involving any personal risk or without suitable training. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Gas is denser than air. May accumulate in low areas e.g. close to the ground. Vapors may travel long distances along ground before igniting/flashing back to vapor source.

6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Stop leak if safe to do so. Isolate hazard area. When leaks or spills occur, only properly protected personnel should remain in the area. Eliminate all ignition sources. Use ventilation/water spray/fog to disperse vapors. Prevent runoff from entering drains, sewers or waterways. Absorb and/or contain spill with inert material, then place in suitable container. Comply with local regulations for container disposal.

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Keep away from heat, sparks and flame. Heating will cause a rise in pressure with a risk of bursting. Do not puncture, incinerate or crush. Store in dry, cool area.
- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

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7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| propane (74-98-6) | | |
|-------------------|----------------------|----------|
| OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |

| isobutane (75-28-5) | | |
|---------------------|------------------|----------|
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |

8.2. Exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------------|
| Physical state | : Gas |
| Appearance | : Clear, colorless liquid. |
| Odor | : lemon-like |
| Odor threshold | : No data available |
| pH | : 12 - 13 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : None |
| 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 |
| Specific gravity / density | : 1 g/ml |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| 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 | : 13 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition may produce : Carbon dioxide. Carbon monoxide.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sparks. Welding.

10.5. Incompatible materials

acids. Oxidizing agents.

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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 |
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. pH: 12 - 13 |
| Serious eye damage/irritation | : Not classified pH: 12 - 13 |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/injuries after inhalation | : May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : Caustic burns/corrosion of the skin. |
| Symptoms/injuries after eye contact | : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage. |
| Symptoms/injuries after ingestion | : May be harmful if swallowed. Burns to the gastric/intestinal mucosa. |

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

| | |
|----------------------------------|---|
| Transport document description | : UN1950 Aerosols (non-flammable, (each not exceeding 1 L capacity)), 2.2 |
| UN-No.(DOT) | : UN1950 |
| Proper Shipping Name (DOT) | : Aerosols non-flammable, (each not exceeding 1 L capacity) |
| Transport hazard class(es) (DOT) | : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115 |
| Hazard labels (DOT) | : 2.2 - Non-flammable gas |



| | |
|--|---------|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : None |
| DOT Packaging Bulk (49 CFR 173.xxx) | : None |
| DOT Special Provisions (49 CFR 172.102) | : |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 306 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 75 kg |

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DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
 DOT Vessel Stowage Location : A
 DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|-------------------------------|----------|-----|
| Diethylene Glycol Butyl Ether | 112-34-5 | 1-5 |
|-------------------------------|----------|-----|

propane (74-98-6)

Not listed on SARA Section 313 (Specific toxic chemical listings)

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

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Signal word: WARNING. Hazard statement: Keep out of Reach of Children. Causes eye and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

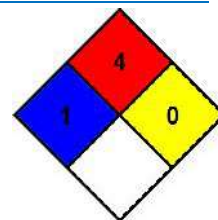
| | |
|----------------|---|
| Compressed gas | Gases under pressure Compressed gas |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Gas 1 | Flammable gases Category 1 |
| Liquefied gas | Gases under pressure Liquefied gas |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H220 | Extremely flammable gas |
| H280 | Contains gas under pressure; may explode if heated |
| H314 | Causes severe skin burns and eye damage |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |

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- NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
- NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.