# SONIC-KLEEN

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 06/01/2015
Revision date: 04/01/2016
Version: 1.2

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

### 1.1. Product identifier

| | |
|---|---|
| Product form: | Mixture |
| Product name: | SONIC-KLEEN |
| Product code: | SK-06; SK-30 |

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

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

Sonic Solutions, LLC
9951 West 190th St. – Unit B
Mokena, IL 60448 – United States
T 708-478-8777 – F 708-478-8730
Customer_Service@SonicSolutionsUSA.com – www.SonicSolutionsUSA.com

### 1.4. Emergency telephone number

| | |
|---|---|
| Emergency number: | For 24-Hour Emergency Information Call<br>Infotrac: 1-800-535-5053 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification (GHS-US)
Skin Corr. 1A — H314
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 mist, spray, vapors<br>P264 - Wash hands, forearms and face thoroughly after handling<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection<br>P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting<br>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower<br>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing<br>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>P310 - Immediately call a doctor or poison center<br>P321 - Specific treatment (see a doctor or poison center on this label)<br>P363 - Wash contaminated clothing before reuse<br>P501 - Dispose of contents/container to an approved waste disposal plant |

### 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

| Name | Product identifier | % | Classification (GHS-US) |
|---|---|---|---|
| DEIONIZED WATER | (CAS No) 7732-18-5 | 40 - 60 | Not classified |
| Disodium Cocoampho Dipropionate | (CAS No) 68604-71-7 | 10 - 30 | Not classified |
| Caustic Soda Liquid | (CAS No) 1310-73-2 | 10 - 30 | Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1A, H314 |
| Monoethanolamine | (CAS No) 141-43-5 | 1 - 10 | Flam. Liq.4, H227<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1A, H314 |
| Solvent EP | (CAS No) 2807-30-9 | 1 - 10 | Flam. Liq.3, H226<br>Acute Tox. 3 (Dermal), H311 |
| sodium gluconate | (CAS No) 527-07-1 | 1 - 5 | Not classified |
| Nonyl Phenol Ethoxylate | (CAS No) 9016-45-9 | 1 - 5 | Not classified |

Full text of H-phrases: see section16

## 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.

### 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. Waterspray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

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

Fire hazard: None Known.

Explosion hazard: Closed container may explode due to build up of pressure when exposed to extreme heat.

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

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

General measures: Remove ignition sources.

#### 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.

### 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

Additional hazards when processed: Handle empty containers with care.
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 mist, spray, vapors. Avoid contact during pregnancy/while nursing.
Hygiene measures: Wash hands, forearms and face 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 away from heat, hot surfaces. Keep container tightly closed.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

SONIC-KLEEN

| | | |
|---|---|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

DEIONIZED WATER (7732-18-5)

| | | |
|---|---|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

sodium gluconate (527-07-1)

| | | |
|---|---|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

Solvent EP (2807-30-9)

| | | |
|---|---|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

Monoethanolamine (141-43-5)

| | | |
|---|---|---|
| ACGIH | ACGIH TWA (ppm) | 3 ppm |
| ACGIH | ACGIH STEL (ppm) | 6 ppm |
| ACGIH | Remark (ACGIH) | Eye & skin irr |
| OSHA | OSHA PEL (TWA) (mg/m³) | 6 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 3 ppm |

Nonyl Phenol Ethoxylate (9016-45-9)

| | | |
|---|---|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

Disodium Cocoampho Dipropionate (68604-71-7)

| | | |
|---|---|---|
| ACGIH | Not applicable | |

| | | |
|---|---|---|
| OSHA | Not applicable | |
| Caustic Soda Liquid (1310-73-2) | | |
| ACGIH | ACGIH Ceiling (mg/m³) | 2 mg/m³ |
| ACGIH | Remark (ACGIH) | URT, eye, & skin irr |
| OSHA | OSHA PEL (TWA) (mg/m³) | 2 mg/m³ |

### 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 |
| Appearance: | Clear, liquid. |
| Color: | Amber Color |
| Odor: | Characteristic Odor |
| Odor threshold: | No data available |
| pH: | > 13 |
| Melting point: | No data available |
| Freezing point: | No data available |
| Boiling point: | 212 °F |
| Flash point: | Not Flammable |
| Relative evaporation rate (butyl acetate=1): | < 1 |
| Flammability (solid, gas): | No data available |
| Explosion limits: | No data available |
| Explosive properties: | No data available |
| Oxidizing properties: | No data available |
| Vapor pressure: | 17 mm Hg |
| Relative density: | 1.116 (water=1) at (60°F) |
| Relative vapor density at 20 °C: | > 1 |
| Specific gravity / density: | 9.3 lb/gal |
| Solubility: | Water: Solubility in water of component(s) of the mixture : • : 59 g/100ml • : • : • : • : 42 g/100ml |
| 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 |

### 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

Stable.

### 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

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

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

| | |
|---|---|
| Acute toxicity: | Not classified |
| Solvent EP (2807-30-9) | |
| LD50 oral rat | 3089 mg/kg (Rat) |
| LD50 dermal rabbit | 873 mg/kg (Rabbit) |
| ATE US (oral) | 3089.000 mg/kg body weight |
| ATE US (dermal) | 873.000 mg/kg body weight |
| Monoethanolamine (141-43-5) | |
| LD50 oral rat | 1720 mg/kg (Rat) |
| LD50 dermal rabbit | 1018 mg/kg (Rabbit) |
| ATE US (oral) | 1720.000 mg/kg body weight |
| ATE US (dermal) | 1018.000 mg/kg body weight |
| ATE US (dust, mist) | 1.500 mg/l/4h |
| Nonyl Phenol Ethoxylate (9016-45-9) | |
| LD50 oral rat | > 2000 mg/kg (Rat) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit) |
| Caustic Soda Liquid (1310-73-2) | |
| LD50 dermal rabbit | 1350 mg/kg (Rabbit; Literature) |
| ATE US (dermal) | 1350.000 mg/kg body weight |
| Skin corrosion/irritation: | Causes severe skin burns and eye damage.<br>pH: > 13 |
| Serious eye damage/irritation: | Not classified<br>pH: > 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 |
| Potential Adverse human health effects and symptoms: | Based on available data, the classification criteria are not met. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | |
|---|---|
| Monoethanolamine (141-43-5) | |
| LC50 fish 1 | 150 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 140 mg/l (24 h; Daphnia magna) |
| LC50 fish 2 | 329.16 mg/l (96 h; Lepomis macrochirus) |
| TLM fish 1 | 100 - 1000,96 h; Pisces |
| TLM other aquatic organisms 1 | 100 - 1000,96 h |
| Threshold limit algae 1 | 0.97 mg/l (192 h; Scenedesmus quadricauda; Inhibitory) |
| Threshold limit algae 2 | 35 mg/l (72 h; Algae) |
| Caustic Soda Liquid (1310-73-2) | |
| LC50 fish 1 | 45.4 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%) |
| EC50 Daphnia 1 | 40.4 mg/l (48 h; Ceriodaphnia sp.; Nominal concentration) |
| LC50 fish 2 | 189 mg/l (48 h; Leuciscus idus) |
| TLM fish 1 | 99 mg/l (48 h; Lepomis macrochirus) |
| TLM fish 2 | 125 ppm (96 h; Gambusia affinis) |

### 12.2. Persistence and degradability

| | |
|---|---|
| SONIC-KLEEN | |
| Persistence and degradability | Not established. |
| sodium gluconate (527-07-1) | |
| Persistence and degradability | Biodegradability in water: no data available. |
| Solvent EP (2807-30-9) | |
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. |
| Monoethanolamine (141-43-5) | |

| | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. |
| Biochemical oxygen demand (BOD) | 0.80 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.34 g $O_2$/g substance |
| ThOD | 2.49 g $O_2$/g substance |
| BOD (% of ThOD) | 0.32 % ThOD |
| Caustic Soda Liquid (1310-73-2) | |
| 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 |
| BOD (% of ThOD) | Not applicable |

### 12.3. Bioaccumulative potential

| | |
|---|---|
| SONIC-KLEEN | |
| Bioaccumulative potential | Not established. |
| sodium gluconate (527-07-1) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| Solvent EP (2807-30-9) | |
| BCF other aquatic organisms 1 | 0.6 - 0.7 (Estimated value) |
| Log Pow | 0.08 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Monoethanolamine (141-43-5) | |
| Log Pow | -1.91 |
| Bioaccumulative potential | Bioaccumulation: not applicable. |
| Caustic Soda Liquid (1310-73-2) | |
| Bioaccumulative potential | Bioaccumulation: not applicable. |

### 12.4. Mobility in soil

| | |
|---|---|
| Monoethanolamine (141-43-5) | |
| Surface tension | 0.050 N/m |

### 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. Dispose of contents/container to an approved hazardous waste plant and/or drum reconditioner. |
| Additional information: | Handle empty containers with care. |
| Ecology - waste materials: | Avoid release to the environment. |

## SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT

| | |
|---|---|
| Transport document description: | UN3266 Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Monoethanolamine), 8, III |
| UN-No.(DOT): | UN3266 |
| Proper Shipping Name (DOT): | Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide, Monoethanolamine) |
| Department of Transportation (DOT) Hazard Classes: | 8 - Class 8 - Corrosive material 49 CFR 173.136 |
| Hazard labels (DOT): | 8 – Corrosive |

| | |
|---|---|
| Packing group (DOT): | III – Least danger among regulated goods, and least protective packaging within transportation requirement. |
| DOT Packaging Non Bulk (49 CFR 173.xxx): | 203 |

| | |
|---|---|
| DOT Packaging Bulk (49 CFR 173.xxx): | 241 |
| DOT Symbols: | G - Identifies PSN requiring a technical name |
| DOT Special Provisions (49 CFR 172.102): | B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is<br>the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf)<br>and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.<br>TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous<br>material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the<br>MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx): | 154 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): | 1 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): | 30 L |
| DOT Vessel Stowage Location: | B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25<br>passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of<br>this section is exceeded. |
| DOT Vessel Stowage Other: | 40 - Stow ‘‘clear of living quarters’’, 52 - Stow ‘‘separated from’’ acids |
| Additional information | |
| Emergency Response Guide (ERG) Number: | 154 |
| 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

### 15.1. US Federal regulations

Monoethanolamine (141-43-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Nonyl Phenol Ethoxylate (9016-45-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Caustic Soda Liquid (1310-73-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not listed on the United States SARA Section 313

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

### 15.2. International regulations

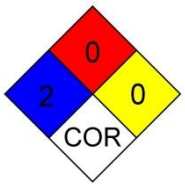
CANADA
No additional information available
EU-Regulations
No additional information available
Classification according to Regulation (EC) No. 1272/2008 [CLP]
No additional information available
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified
National regulations
No additional information available

### 15.3. US State regulations

Monoethanolamine (141-43-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
Caustic Soda Liquid (1310-73-2)
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. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H332 | Harmful if inhaled |
| NFPA health hazard: | 2 – Intense or continued exposure could cause serious temporary or residual injury even though prompt medical attention was given. |
| NFPA fire hazard: | 0 - Materials that will not burn. |
| NFPA reactivity: | 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. |
| NFPA specific hazard | COR - Corrosive |




| | |
|---|---|
| HMIS III Rating | |
| Health: | 2 Minor Hazard – Temporary or minor injury likely unless prompt action is taken and medical treatment is given |
| Flammability: | 0 Minimal Hazard - Materials that will not burn |
| Physical: | 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |

SDS US (GHS HazCom 2012)