

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

1.1. Product identifier

Trade name : MasonrySaver Safer Brick & Masonry Cleaner

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

Use of the substance/mixture : Cleaning Concrete & Brick Surfaces

1.3. Details of the supplier of the safety data sheet

SaverSystems, Inc.
800 S. 7th Street
Richmond, 47374 - U.S.A.
T (765) 966-5084

1.4. Emergency telephone number

Chemtel : 1 (800) 255-3924 24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Dam. 1 H318
Repr. 2 H361

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H315 - Causes skin irritation
H318 - Causes serious eye damage
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS-US) :

P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P405 - Store away from children
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

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 | % | GHS-US classification |
|------------------------------------|--------------------|-------|-----------------------|
| Diethylene glycol monomethyl ether | (CAS No) 111-77-3 | 2 - 5 | Repr. 2, H361 |

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| Name | Product identifier | % | GHS-US classification |
|-------------------|--------------------|-------|--|
| Phosphoric acid | (CAS No) 7664-38-2 | < 2.8 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 |
| Hydrogen chloride | (CAS No) 7647-01-0 | 1 - 2 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1A, H314 |

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 exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation | : Ensure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | : Rinse using water. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | |
|--------------------------------------|--|
| Symptoms/injuries | : Suspected of damaging fertility or the unborn child. |
| Symptoms/injuries after inhalation | : Inhalation of mist may cause mild irritation to upper respiratory tract. |
| Symptoms/injuries after skin contact | : Causes skin irritation. |
| 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.

5.2. Special hazards arising from the substance or mixture

No additional information available

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. |
| Protective equipment for firefighters | : 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 : Stop leak if safe to do so. Provide adequate ventilation to minimize dust and/or vapour concentrations. Wash hands thoroughly after handling.

6.1.1. For non-emergency personnel

Protective equipment : Wear protective clothing as described in Section 8 of this safety data sheet.
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. Dispose of contents/container to comply with applicable local, national and international regulations. For larger spills, dike area and pump into waste containers. . Comply with applicable local, national and international regulation.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Contact with walking surface may result in formation of slippery film/falling hazard.
- Precautions for safe handling : Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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 vapour. Obtain special instructions before use.
- Hygiene measures : Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store away from freezing (avoid freezing during storage). Keep container closed when not in use.
- Incompatible materials : Strong acids, bases. Oxidizing agents. Do not mix with other cleaners or chlorine bleach.
- Storage area : Store in dry, cool, well-ventilated area.
- Special rules on packaging : Correctly labelled.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Phosphoric acid (7664-38-2) | | |
|-----------------------------|-------------------------------------|---------------------|
| USA ACGIH | ACGIH TWA (mg/m ³) | 1 mg/m ³ |
| USA ACGIH | ACGIH STEL (mg/m ³) | 3 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |

| Hydrogen chloride (7647-01-0) | | |
|-------------------------------|---|---------------------|
| USA ACGIH | ACGIH Ceiling (ppm) | 2 ppm |
| USA OSHA | OSHA PEL (Ceiling) (mg/m ³) | 7 mg/m ³ |
| USA OSHA | OSHA PEL (Ceiling) (ppm) | 5 ppm |

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation. Positive pressure in interior of occupied buildings during exterior application. A washing facility/water for eye and skin cleaning purposes should be present.
- Personal protective equipment : Gloves. Protective clothing. Protective goggles. Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment.



- Hand protection : Wear protective gloves.
- Eye protection : Wear chemical splash goggle.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In fine dispersion/spraying/misting: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Protection factors vary depending upon the type of respirator used. Wear appropriate mask.
- Environmental exposure controls : Avoid discharge to the environment.
- 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. Water thin liquid.
- Colour : Colourless.

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| | |
|--|--|
| Odour | : Slight acidic odour |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : < 0 °C (32 ° F) |
| Boiling point | : > 100 °C (212 ° F) |
| Flash point | : No data available |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1,02 g/cm ³ (8.55 lb/gal) |
| Solubility | : No data available |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight. Avoid Freezing.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases. Do not mix with other cleaners or chlorine bleach.

10.6. Hazardous decomposition products

Heating may cause the liberation of small amounts of flammable hydrogen gas. fume. Phosphorus oxides. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Phosphoric acid (7664-38-2) | |
|-----------------------------|----------------------------------|
| LD50 oral rat | 1530 mg/kg |
| LD50 dermal rabbit | 2730 mg/kg |
| LC50 inhalation rat (mg/l) | > 0,85 mg/l (Exposure time: 1 h) |
| ATE (oral) | 1530,000 mg/kg bodyweight |
| ATE (dermal) | 2730,000 mg/kg bodyweight |
| ATE (dust,mist) | 0,850 mg/l/4h |

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| Hydrogen chloride (7647-01-0) | |
|-------------------------------|--------------------------|
| LD50 oral rat | 700 mg/kg |
| LD50 dermal rabbit | > 5010 mg/kg |
| LC50 inhalation rat (ppm) | 3124 ppm/1h |
| ATE (oral) | 700,000 mg/kg bodyweight |
| ATE (dust,mist) | 0,500 mg/l/4h |

| | |
|-----------------------------------|------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| Hydrogen chloride (7647-01-0) | |
|-------------------------------|----------------------|
| IARC group | 3 - Not classifiable |

| | |
|---|--|
| Reproductive toxicity | : Suspected of damaging fertility or the unborn child. |
| 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 inhalation | : Inhalation of mist may cause mild irritation to upper respiratory tract. |
| Symptoms/injuries after skin contact | : Causes skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye damage. |

SECTION 12: Ecological information

12.1. Toxicity

| Phosphoric acid (7664-38-2) | |
|-----------------------------|--|
| LC50 fishes 1 | 3 - 3,5 mg/l (Exposure time: 96 h - Species: Gambusia affinis) |
| EC50 Daphnia 1 | 4,6 mg/l (Exposure time: 12 h - Species: Daphnia magna) |

| Diethylene glycol monomethyl ether (111-77-3) | |
|---|---|
| LC50 fishes 1 | 7500 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1 | > 500 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 other aquatic organisms 1 | > 500 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus) |
| LC50 fish 2 | 7500 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |

| Hydrogen chloride (7647-01-0) | |
|-------------------------------|---|
| LC50 fishes 1 | 282 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static]) |

12.2. Persistence and degradability

| MasonrySaver Safer Brick & Masonry Cleaner | |
|--|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| MasonrySaver Brick & Masonry Cleaner | |
|--------------------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Diethylene glycol monomethyl ether (111-77-3) | |
|---|--------|
| Log Pow | -0,682 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| | |
|-------------------|-------------------------------------|
| Other information | : Avoid release to the environment. |
|-------------------|-------------------------------------|

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Do not re-use empty containers.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

- In accordance with DOT
No dangerous good in sense of transport regulations

Additional information

- Other information : No supplementary information available.

ADR

- Transport document description :

Transport by sea

- No additional information available

Air transport

- No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Phosphoric acid (7664-38-2)

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

Diethylene glycol monomethyl ether (111-77-3)

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

Hydrogen chloride (7647-01-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on SARA Section 302 (Specific toxic chemical listings)
Listed on SARA Section 313 (Specific toxic chemical listings)

| | |
|--|----------------|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 (gas only) |
|--|----------------|

| | |
|---------------------------------------|--|
| SARA Section 313 - Emission Reporting | 1,0 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) |
|---------------------------------------|--|

15.2. International regulations

CANADA

Phosphoric acid (7664-38-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

| | |
|----------------------|------------------------------|
| WHMIS Classification | Class E - Corrosive Material |
|----------------------|------------------------------|

Diethylene glycol monomethyl ether (111-77-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Hydrogen chloride (7647-01-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

| | |
|----------------------|--|
| WHMIS Classification | Class A - Compressed Gas Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class E - Corrosive Material |
|----------------------|--|

EU-Regulations

Phosphoric acid (7664-38-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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Diethylene glycol monomethyl ether (111-77-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Hydrogen chloride (7647-01-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No information available

15.2.2. National regulations

Phosphoric acid (7664-38-2)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

Diethylene glycol monomethyl ether (111-77-3)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

Hydrogen chloride (7647-01-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Poisonous and Deleterious Substances Control Law
Listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

| | |
|-------------------------------------|---|
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H331 | Toxic if inhaled |
| H361 | Suspected of damaging fertility or the unborn child |

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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