# SAFETY DATA SHEET
# HUSKY 410 QUARRY TILE RENOVATOR

**Revision:** 2021-10-08:

## SECTION 1: IDENTIFICATION

**Product identifier**

| | |
|---|---|
| **Product Name** | **HUSKY 410 QUARRY TILE RENOVATOR** |
| **Authorization number** | F410-001 HSK-410 |
| **Recommended Use** | Acidic Cleaner for Lime, Soap Film, Grease, & Mineral Deposits |
| **Uses advised against** | Restrictions on use: Do not use in any fashion not specified on the product label. |

**Manufacturer/Supplier**

Canberra Corporation
3610 N. Holland-Sylvania Rd.
Toledo Ohio 43615
United States

Telephone: +1 (419) 841-6616
Website: http://canberracorp.com/

| | |
|---|---|
| e-Mail (competent person) | regulatorycompliance@canberracorp.com |
| **Emergency telephone number** | 800-424-9300 |
| **National poison center** | 800-222-1222 |

## SECTION 2: HAZARD(S) IDENTIFICATION

**Classification acc. to GHS**

| | |
|---|---|
| Skin corrosion/irritation. | H314. |
| Serious eye damage/eye irritation. | H318. |
| Flammable liquid. | H227. |

**Label elements**

**Signal word** Danger

**Pictograms**

**Hazard statements**

Combustible liquid.
Causes severe skin burns and eye damage.

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not breathe dusts or mists.
Wear protective gloves/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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/doctor.
In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

Hazardous ingredients for labelling — Phosphoric Acid

**Other hazards**

This material is combustible, but will not ignite readily.

Hazards not otherwise classified

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Name of substance | Identifier | Wt% |
|---|---|---|
| Phosphoric Acid | CAS No<br>7664-38-2 | 5 – < 10 |
| Butoxyethanol | CAS No<br>111-76-2 | 1 – < 5 |
| Sulfamic Acid | CAS No<br>5329-14-6 | 1 – < 5 |
| Alkylbenzene Sulfonic Acid | CAS No<br>68584-22-5 | 1 – < 5 |

For full text of abbreviations: see SECTION 16.

## SECTION 4: FIRST-AID MEASURES

### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

### Following skin contact

Wash with plenty of soap and water.

### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

none

## SECTION 5: FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

### Unsuitable extinguishing media

Water jet

### Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

### Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Phosphorus oxides (PxOy)

### Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Never add water to this product. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

- Handling of incompatible substances or mixtures

Do not mix with alkali.

- Keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Protect against external exposure, such as

frost

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

**Packaging compatibilities**

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

See section 16 for a general overview.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls**

**Appropriate engineering controls**

General ventilation.

**Individual protection measures (personal protective equipment)**

**Eye/face protection**

Wear eye/face protection.

**Skin protection**

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical state** | Liquid |
| **Color** | Turquoise |
| **Odor** | Lemon |
| **pH (value)** | <1 (acid) |
| **Melting point/freezing point** | Not determined |
| **Evaporation rate** | Not determined |
| **Flammability (solid, gas)** | Not relevant (fluid) |
| **Density** | Not determined |
| **Relative density** | 1.05 – 1.067 at 20 °C (water = 1) |
| | |

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### Chemical stability

See below "Conditions to avoid".

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### Incompatible materials

Oxidizers

### Release of flammable materials with

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Test data are not available for the complete mixture.

### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| Butoxyethanol | 111-76-2 | oral | 1,414 $^{mg}/_{kg}$ |
| Butoxyethanol | 111-76-2 | dermal | 1,100 $^{mg}/_{kg}$ |
| Butoxyethanol | 111-76-2 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | inhalation: dust/mist | >1.9 $^{mg}/_{l}$/4h |

### Skin corrosion/irritation

Causes severe skin burns and eye damage.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

| Name of substance | CAS No | Classification | Number |
|---|---|---|---|
| Butoxyethanol | 111-76-2 | 3 | |

Legend
3 Not classifiable as to carcinogenicity in humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | EC50 | >100 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| Phosphoric Acid | 7664-38-2 | ErC50 | >100 $^{mg}/_{l}$ | algae | 72 h |
| Butoxyethanol | 111-76-2 | LC50 | 1,474 $^{mg}/_{l}$ | fish | 96 h |
| Butoxyethanol | 111-76-2 | EC50 | 1,550 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| Butoxyethanol | 111-76-2 | ErC50 | 1,840 $^{mg}/_{l}$ | algae | 72 h |
| Sulfamic Acid | 5329-14-6 | LC50 | 70.3 $^{mg}/_{l}$ | fish | 96 h |
| Sulfamic Acid | 5329-14-6 | EC50 | 71.6 $^{mg}/_{l}$ | aquatic invertebrates | 24 h |
| Sulfamic Acid | 5329-14-6 | ErC50 | 48 $^{mg}/_{l}$ | algae | 72 h |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | LL50 | >10,000 $^{mg}/_{l}$ | fish | 96 h |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | EC50 | >1,000 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | ErC50 | >1,000 $^{mg}/_{l}$ | algae | 72 h |

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | EC50 | >1,000 $^{mg}/_{l}$ | microorganisms | 3 h |
| Butoxyethanol | 111-76-2 | EC50 | 297 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| Sulfamic Acid | 5329-14-6 | EC50 | >60 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| Alkylbenzene Sulfonic Acid | 68584-22-5 | EC50 | ≤5,000 $^{mg}/_{l}$ | microorganisms | 8 h |

### Persistence and degradability

Data are not available.

### Bioaccumulative potential

Data are not available.

### Mobility in soil

Data are not available.

### Results of PBT and vPvB assessment

Data are not available.

### Endocrine disrupting properties

None of the ingredients are listed.

### Other adverse effects

Data are not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

### Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: TRANSPORT INFORMATION

### UN number

| | |
|---|---|
| **DOT** | UN 3264 |
| IMDG-Code | UN 3264 |
| ICAO-TI | UN 3264 |

**UN proper shipping name**

| | |
|---|---|
| DOT | Corrosive liquid, acidic, inorganic, n.o.s. |
| IMDG-Code | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| ICAO-TI | Corrosive liquid, acidic, inorganic, n.o.s. |
| Technical name (hazardous ingredients) | Phosphoric Acid |

**Transport hazard class(es)**

| | |
|---|---|
| DOT | 8 |
| IMDG-Code | 8 |
| ICAO-TI | 8 |

**Packing group**

| | |
|---|---|
| DOT | III |
| IMDG-Code | III |
| ICAO-TI | III |

**Environmental hazards** hazardous to the aquatic environment

| | |
|---|---|
| Environmentally hazardous substance (aquatic environment) | Sulfamic Acid |
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Environmental hazards | yes (hazardous to the aquatic environment) |

## SECTION 15: REGULATORY INFORMATION

**National regulations (United States)**

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

| Name of substance | CAS No | Remarks | Statutory code | Final RQ pounds (Kg) |
|---|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | | 1 | 5000 (2270) |

Legend
1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

**Clean Air Act**

none of the ingredients are listed

**Right to Know Hazardous Substance List**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | | OEHHA RELs |
| Butoxyethanol | 111-76-2 | | OEHHA RELs |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|---|---|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | | | | 1.0 % |
| Butoxyethanol | | 1022 | | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of substance | CAS No | References | Remarks |
|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | A, O | |
| Butoxyethanol | 111-76-2 | A, O | skin |

Legend

| | |
|---|---|
| A | American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH |
| O | Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division |
| skin | If a potential for absorption from skin contact merits special consideration, the word "skin" follows the substance name. |

- Hazardous Substance List (NJ-RTK)

| Name of substance | CAS No | Remarks | Classifications |
|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | | CO |
| Butoxyethanol | 111-76-2 | | CA<br>F2 |
| Sulfamic Acid | 5329-14-6 | | CO |

Legend

| | |
|---|---|
| CA | Carcinogenic |
| CO | Corrosive |
| F2 | Flammable - Second Degree |

- Hazardous Substance List (Chapter 323) (PA-RTK)

| Name acc. to inventory | CAS No | Classification |
|---|---|---|
| PHOSPHORIC ACID | 7664-38-2 | E |
| ETHANOL, 2-BUTOXY- | 111-76-2 | |

Legend

| | |
|---|---|
| E | Environmental hazard |

- Hazardous Substance List (RI-RTK)

| Name of substance | CAS No | References |
|---|---|---|
| Phosphoric Acid | 7664-38-2 | T, F |
| Butoxyethanol | 111-76-2 | T |

Legend

| | |
|---|---|
| F | Flammability (NFPA®) |
| T | Toxicity (ACGIH®) |

**California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**

none of the ingredients are listed

### NPCA-HMIS® III

| Category | Rating | Description |
|---|---|---|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 3 | major injury likely unless prompt action is taken and medical treatment is given |
| Flammability | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

### NFPA® 704

| Category | Degree of hazard | Description |
|---|---|---|
| Flammability | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Health | 3 | material that, under emergency conditions, can cause serious or permanent injury |
| Instability | 0 | material that is normally stable, even under fire conditions |
| Special hazard | | |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|---|---|
| H227 | Combustible liquid. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. .