

SECTION 1: Identification

1.1. Product identifier

Product name : KNOCK IT OFF
Product code : 1300680

1.2. Recommended use and restrictions on use

Recommended use : Dual safe-acid descaler
Restrictions on use : Food Plant, Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 202
Hamilton, Ontario L8R 2J9
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|-------------------------------------|--|--|--|
| Canada | CHEMTREC Chemical Emergency | www.chemtrec.com | 1 800 424 9300 | 24hr/day 7days/week within USA and Canada |
| Canada | CANUTEC Transportation Emergency | www.canutec.com | 1 888 226 8832 *666 on a cell phone | 24hr/day 7days/week within USA and Canada |

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Corrosive to metals, Category 1 H290 May be corrosive to metals.
Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

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| | |
|-----------------------------------|---|
| Hazard statements (GHS CA) | : H290 - May be corrosive to metals. H318 - Causes serious eye damage. |
| Precautionary statements (GHS CA) | : P234 - Keep only in original container. P280 - Wear eye protection or face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor. P390 - Absorb spillage to prevent material damage. P406 - Store in corrosive resistant container with a resistant inner liner. |

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % w/w |
|------------------------|--------------------------|----------------------|---------|
| Urea, methanesulfonate | Urea methanesulfonate | CAS-No.: 207308-34-7 | 10 – 30 |
| Urea monohydrochloride | Urea monohydrochloride | CAS-No.: 506-89-8 | 3 – 7 |

**The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures general | : If you feel unwell, seek medical advice. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
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| Symptoms/effects after inhalation | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
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- Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : None under normal conditions.
Chronic symptoms : No effects known.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

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

5.3. Specific hazards arising from the hazardous product

- Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

- Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container.
- Incompatible materials : Metals.
- Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

| |
|------------------------|
| Eye protection: |
| Safety glasses |

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-------------------------------------|
| Physical state | : Liquid |
| Appearance | : Clear, Colourless liquid. |
| Colour | : Colourless |
| Odour | : No added fragrance |
| Odour threshold | : No data available |
| pH | : 1 – 2 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Initial boiling point and boiling range | : No data available |
| Flash point | : > 100 °C |
| Auto-ignition temperature | : Not self-igniting |
| Decomposition temperature | : No data available |
| Upper and lower flammability or explosive limit | : No data available, Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : 1.05 – 1.1 |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : Thin like water |
| Explosive properties | : Product is not explosive. |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : metals. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | : No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

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|---|----------------------|
| LD50 oral rat | 2083 ml/kg |
| Urea, methanesulfonate (207308-34-7) | |
| LD50 oral rat | 1357 mg/kg |
| LD50 dermal rat | 3698 mg/kg |
| ATE CA (oral) | 500 mg/kg bodyweight |
| Urea monohydrochloride (506-89-8) | |
| LD50 oral rat | 1120.9 mg/kg |

| | |
|-----------------------------------|--------------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitization | : 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 |
| Likely routes of exposure | : Skin and eyes contact. Inhalation. |

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| | | |
|-------------------------------------|---|---|
| Symptoms/effects after inhalation | : | Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : | None under normal conditions. |
| Symptoms/effects after eye contact | : | Serious damage to eyes. |
| Symptoms/effects after ingestion | : | None under normal conditions. |
| Chronic symptoms | : | No effects known. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| KNOCK IT OFF | |
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| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Urea, methanesulfonate (207308-34-7) | |
| LC50 - Fish [1] | > 100 mg/l Rainhow Trout |
| LC50 - Other aquatic organisms [1] | 709 mg/kg Daphnia Magna, 48 hour |
| EC50 - Other aquatic organisms [1] | 21.5 mg/l Algae: Selenastrum Capricomutum, 72 hour |
| Urea monohydrochloride (506-89-8) | |
| LC50 - Fish [1] | > 142 mg/l Rainhow Trout, 96 hours |
| LC50 - Other aquatic organisms [1] | 71 mg/l Ceriodaphnia Dubia, 48 hours |
| EC50 96h - Algae [1] | 3460000 mg/l Source: Ecological Structure Activity Relationships |
| Partition coefficient n-octanol/water (Log Pow) | -3.49 Source: ChemIDplus |

12.2. Persistence and degradability

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Persistence and degradability Readily biodegradable in water.

| Urea, methanesulfonate (207308-34-7) | |
|--------------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

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Bioaccumulative potential No test data available.

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Partition coefficient n-octanol/water (Log Pow) No data available

Urea monohydrochloride (506-89-8)

| | |
|---|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.49 Source: ChemIDplus |
|---|--------------------------|

12.4. Mobility in soil

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Ecology - soil No (test) data on mobility of the substance available.

Partition coefficient n-octanol/water (Log Pow) No data available

Urea monohydrochloride (506-89-8)

| | |
|------------------|--|
| Mobility in soil | 8.098 Source: Quantitative Structure Activity Relation |
|------------------|--|

| | |
|---|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.49 Source: ChemIDplus |
|---|--------------------------|

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

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14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Urea monohydrochloride (506-89-8)

Listed on the Canadian DSL (Domestic Substances List)

Canada DSL NDSL Flags

Substance was manufactured or imported after July 1, 1994

15.2. International regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Urea, methanesulfonate (207308-34-7)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Urea monohydrochloride (506-89-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

SECTION 16: Other information

Issue date : 02/28/2024

Full text of H-statements:

H290 May be corrosive to metals.

H318 Causes serious eye damage.

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It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.