

Section 1. Chemical product and company identification

Product name : BRUTE
 Recommended use and restrictions : Toilet Bowl Cleaner

Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : LYN DISTRIBUTING
 965 No. Redwood Road
 North, UT. 84054
 1-800-366-5022

Code :
 Date of issue : 3 MAY 2017

EPA Registration No. N/A

EMERGENCY HEALTH INFORMATION: 1-801-201-1135

Section 2. Hazards identification

Product AS SOLD
GHS Classification : ACUTE TOXICITY: ORAL - Category 4
 ACUTE TOXICITY: SKIN - Category 4
 ACUTE TOXICITY: INHALATION - Category 4
 SKIN CORROSION/IRRITATION - Category 1
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Signal word : Danger

Symbol : 

Hazard statements : Harmful if swallowed, in contact with skin or if inhaled.
 Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash hands thoroughly after handling.

Response :

Product AT USE DILUTION

Product is sold ready to use.

Section 2. Hazards identification

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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 or physician.

Storage : No other specific measures identified.
Disposal : See section 13 for waste disposal information.
Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

| Hazardous ingredients | Concentration Range (%) | CAS number |
|---|-------------------------|------------|
| PHOSPHORIC ACID | 23-26 | 7664-38-2 |
| n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides | .05 | 53516-76-0 |
| n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides | .05 | 85409-23-0 |

Product AT USE DILUTION

| Hazardous ingredients | Concentration Range (%) | CAS number |
|-------------------------------|-------------------------|------------|
| Product is sold ready to use. | | |

Section 4. First aid measures

Product AS SOLD

Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin contact : Take off immediately all contaminated clothing. Rinse skin with water or shower. Continue to rinse for at least 15 minutes. Get medical attention immediately. Wash clothing before reuse.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention immediately.

Product AT USE DILUTION
 Product is sold ready to use.

Section 4. First aid measures

- Ingestion** : Get medical attention immediately. Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If ventilation is inadequate, use respirator that will protect against dust/mist. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
phosphorus oxides
- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : **Product AS SOLD**
Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid contact of spilled material and runoff with soil and surface waterways.
- Methods for cleaning up** : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

Section 7. Handling and storage

Section 7. Handling and storage

| | |
|-----------------|---|
| Handling | Product AS SOLD |
| | : Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling. |
| Storage | Product AS SOLD |
| | : Keep out of reach of children. Keep container tightly closed. Store between the following temperatures: 5 and 50°C |

Product AT USE DILUTION

Product is sold ready to use.

Section 8. Exposure controls/personal protection

Control parameters

| Ingredient name | Exposure limits |
|-----------------|--|
| PHOSPHORIC ACID | ACGIH TLV (United States, 3/2012). STEL: 3 mg/m ³ 15 minutes. TWA: 1 mg/m ³ 8 hours. OSHA PEL (United States, 6/2010). TWA: 1 mg/m ³ 8 hours. NIOSH REL (United States, 6/2009). TWA: 1 mg/m ³ 10 hours. STEL: 3 mg/m ³ 15 minutes. |

| | |
|---|--|
| Appropriate engineering controls | Product AS SOLD |
| | : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard. |
| Personal protection | Product AS SOLD |
| | |
| Eye protection | : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles. |
| Hand protection | : Use chemical-resistant, impervious gloves. |
| Skin protection | : Use synthetic apron, other protective equipment as necessary to prevent skin contact. |
| Respiratory protection | : A respirator is not needed under normal and intended conditions of product use. |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. |

Product AT USE DILUTION

Product is sold ready to use.

Section 9. Physical and chemical properties

| | Product AS SOLD |
|---|--|
| Physical state | : Liquid. |
| Color | : Pink |
| Odor | : Mint |
| pH | : 1 (100%) |
| Flash point | : > 100°C |
| Explosion limits | : Not available. |
| Flammability (solid, gas) | : Not available. |
| Melting point | : Not available. |
| Boiling point | : Not available. |
| Evaporation rate (butyl acetate = 1) | : Not available. |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Relative density | : 1.12 (Water = 1) |
| Solubility | : Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/water | : Not available. |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Odor threshold | : Not available. |
| Viscosity | : Not available. |

Product AT USE DILUTION

Product is sold ready to use.

Section 10. Stability and reactivity

Product AS SOLD

| | |
|---|---|
| Stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Materials to avoid | : Highly reactive or incompatible with the following materials: alkalis. Reactive or incompatible with the following materials: metals. Do not mix with bleach or other chlorinated products - will cause chlorine gas. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Section 11. Toxicological information

| Product AS SOLD | | Product AT USE DILUTION | |
|-----------------------|--|-------------------------------|--|
| Symptoms | | | |
| Eye contact | : Adverse symptoms may include the following: pain watering redness | Product is sold ready to use. | |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness blistering may occur | | |
| Inhalation | : Adverse symptoms may include the following: coughing Respiratory tract irritation | | |
| Ingestion | : Adverse symptoms may include the following: stomach pains | | |
| Acute toxicity | | | |
| Eye contact | : Causes serious eye damage. | | |
| Skin contact | : Causes severe burns. Harmful in contact with skin. | | |
| Inhalation | : Harmful if inhaled. May cause respiratory irritation. | | |
| Ingestion | : Harmful if swallowed. May cause burns to mouth, throat and stomach. | | |

Toxicity data

Product/ingredient name

| | | | |
|-------------------------------|-----------------|-----|-------------|
| phosphoric acid | LC50 Inhalation | Rat | 0.962 mg/l |
| | Dusts and mists | | |
| alcohols, c12-15, ethoxylated | LD50 Dermal | Rat | >2000 mg/kg |
| | LD50 Oral | Rat | >2000 mg/kg |
| | LD50 Dermal | Rat | >2000 mg/kg |
| | LD50 Oral | Rat | 1700 mg/kg |

Chronic toxicity

| | |
|------------------------------|---|
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

| Product/ingredient name | Result | Species | Exposure |
|------------------------------|---|---------|----------|
| Not available. | | | |
| Other adverse effects | : No known significant effects or critical hazards. | | |

Section 13. Disposal considerations

Product AS SOLD

Disposal methods : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

RCRA classification : Unused product is D002 (Corrosive)

Product AT USE DILUTION

Product is sold ready to use.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification UN1805

DOT Proper shipping name Phosphoric acid solution

Class 8

Packing group III

IMO/IMDG

IMO/IMDG Classification UN1805

IMO/IMDG Proper shipping name PHOSPHORIC ACID SOLUTION

Class 8

Packing group III

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

EPA Registration No. : N/A

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

| <u>SARA 313</u> | <u>Product name</u> | <u>CAS number</u> | <u>Concentration</u> |
|--|-----------------------|-------------------|----------------------|
| Form R - Reporting requirements | : No listed substance | | |

California Prop. 65 : No listed substance

Section 16. Other information

Section 16. Other information

Product AS SOLD

Hazardous Material :
Information System (U.S.A.)

| | | |
|------------------|---|---|
| Health | * | 3 |
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |

National Fire Protection :
Association (U.S.A.)



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1-800-366-5022

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**