

SAFETY DATA SHEET

LYSOL® Toilet Bowl Cleaner Advanced Deep Clean Power



HEALTH • HYGIENE • HOME

1. Product and company identification

- Product name** : LYSOL® Toilet Bowl Cleaner Advanced Deep Clean Power
- Distributed by** : Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600
- Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue, Unit #2
Mississauga, Ontario L4W 5S9
CANADA
Telephone: +1 905 283 7000
- Emergency telephone number (Medical)** : 1-800-338-6167
- Emergency telephone number (Transport)** : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887
- Website:** : <http://www.rbnainfo.com>

Product use : Toilet bowl cleaner Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

- SDS #** : D0371904 v13.0
- Formulation #** : 3071987 v1.0
- EPA ID No.** : 777-104-675
- DIN #** : 02392070

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

Identified uses

Toilet bowl cleaner Consumer use

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2. Hazards identification

Classification of the substance or mixture : CORROSIVE TO METALS - Category 1
ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : May be corrosive to metals.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep only in original container. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response : Absorb spillage to prevent material damage. IF INHALED: Remove person to fresh air and keep 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. Take off contaminated clothing and wash it before reuse. 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 : Store locked up. Store in a corrosion resistant container with a resistant inner liner.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % | CAS number |
|-----------------------------------|---------|------------|
| Hydrochloric acid | 10 - 30 | 7647-01-0 |
| Amines, tallow alkyl, ethoxylated | 1 - 5 | 61791-26-2 |
| Alcohols, C12-16, ethoxylated | 1 - 5 | 68551-12-2 |
| Methyl salicylate | 0.1 - 1 | 119-36-8 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. Harmful in contact with skin.
- Ingestion** : Harmful if swallowed.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

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4. First aid measures

Ingestion : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
halogenated compounds

Special protective actions for fire-fighters : 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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Code # : FF0371900_D0371904 **SDS #** : D0371904 v13.0 **Date of issue** : 8/20/2020

4/15

(NA)

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6. Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Absorb spillage to prevent material damage. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a corrosion resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep away from metals. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure controls/personal protection

Control

Occupational exposure limits

| Ingredient name | Exposure limits |
|-------------------|---|
| hydrochloric acid | <p>ACGIH TLV (United States, 3/2018). C: 2 ppm</p> <p>OSHA PEL 1989 (United States, 3/1989). CEIL: 5 ppm CEIL: 7 mg/m³</p> <p>NIOSH REL (United States, 10/2016). CEIL: 5 ppm CEIL: 7 mg/m³</p> <p>OSHA PEL (United States, 5/2018). CEIL: 5 ppm CEIL: 7 mg/m³</p> |

- Appropriate engineering controls** : 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.

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8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

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. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection : Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

9. Physical and chemical properties

Appearance

Physical state : Liquid. [Viscous liquid.]

Color : Blue. [Dark]

Odor : Wintergreen

Odor threshold : Not available.

pH : <1

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: >93.3°C (>199.9°F)

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

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9. Physical and chemical properties

| | |
|---|--|
| Relative density | : 1.025 to 1.045 |
| 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. |
| Viscosity | : Dynamic (room temperature): 90 to 300 mPa·s (90 to 300 cP) |

Aerosol product

10. Stability and reactivity

| | |
|---|---|
| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
| Chemical 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. |
| Incompatible materials | : Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis metals |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|----------------------|---------|------------|------------|
| hydrochloric acid | LC50 Inhalation Gas. | Rabbit | 4695 mg/l | 30 minutes |
| | LD50 Dermal | Rat | 5050 mg/kg | - |
| | LD50 Oral | Rat | 700 mg/kg | - |
| Amines, tallow alkyl, ethoxylated | LD50 Dermal | Rat | >10 g/kg | - |
| | LD50 Oral | Rat | 500 mg/kg | - |
| LYSOL BRAND II COMPLETE CLEAN TOILET BOWL CLEANER WITH LIME AND RUST REMOVER_D0371904 (NA) | LD50 Dermal | Rat | 2000 mg/kg | - |
| | LD50 Oral | Rat | 1350 mg/kg | - |

Conclusion/Summary : Harmful if swallowed or in contact with skin. Information is based on toxicity test result of a similar product.

Irritation/Corrosion

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11. Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|---------|-------|---|-------------|
| hydrochloric acid | Eyes - Mild irritant | Rabbit | - | 0.5 minutes 5 milligrams 24 hours 4 Percent 100 milligrams 24 hours 100 microliters 24 hours 100 microliters 240 minutes | - |
| | Skin - Mild irritant | Human | - | | - |
| Amines, tallow alkyl, ethoxylated | Eyes - Moderate irritant | Rabbit | - | | - |
| | Eyes - Severe irritant | Rabbit | - | | - |
| Alcohols, C12-16, ethoxylated | Eyes - Moderate irritant | Rabbit | - | | - |
| LYSOL BRAND II COMPLETE CLEAN TOILET BOWL CLEANER WITH LIME AND RUST REMOVER _D0371904 (NA) | Skin - Visible necrosis | Rat | - | | - |
| | Eyes - Cornea opacity | Rat | >3 | - | - |

Conclusion/Summary

Skin

: Corrosive to the skin. Causes burns. * Information is based on toxicity test result of a similar product.

Eyes

: Corrosive to eyes. Direct contact with the eyes can cause irreversible damage, including blindness. *Information is based on toxicity test result of a similar product.

Respiratory

: Based on available data, the classification criteria are not met.

Sensitization

Not available.

Conclusion/Summary

Skin

: Based on available data, the classification criteria are not met.

Respiratory

: Based on available data, the classification criteria are not met.

Mutagenicity

Not available.

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| hydrochloric acid | - | 3 | - |

Reproductive toxicity

Not available.

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Teratogenicity

Not available.

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

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11. Toxicological information

| Name | Category | Route of exposure | Target organs |
|-------------------|------------|-------------------|------------------------------|
| hydrochloric acid | Category 3 | Not applicable. | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. Harmful in contact with skin.
- Ingestion** : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.
- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.

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11. Toxicological information

- 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.

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Professional Lysol Brand Kills 99.9% of Viruses & Bacteria Advanced Deep Cleaning_FF0371900_D0371904 (US) | 1350 | 2000 | N/A | N/A | N/A |
| hydrochloric acid | 700 | 5050 | N/A | N/A | N/A |
| Amines, tallow alkyl, ethoxylated | 500 | N/A | N/A | N/A | N/A |
| Alcohols, C12-16, ethoxylated | 500 | N/A | N/A | N/A | N/A |

12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-----------------------------------|-------------------------------------|--|----------|
| hydrochloric acid | Acute LC50 240000 µg/l Marine water | Crustaceans - Carcinus maenas - Adult | 48 hours |
| Amines, tallow alkyl, ethoxylated | Acute LC50 282 ppm Fresh water | Fish - Gambusia affinis - Adult | 96 hours |
| | Acute LC50 2.6 µg/l Fresh water | Crustaceans - Thamnocephalus platyurus - Nauplii | 48 hours |
| | Acute LC50 2350 µg/l Fresh water | Daphnia - Daphnia pulex | 48 hours |
| | Acute LC50 650 µg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| hydrochloric acid | 0.25 | - | low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.





Other adverse effects : No known significant effects or critical hazards.

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13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

| | TDG Classification | DOT Classification | IMDG | IATA |
|----------------------------|--|--|---|--|
| UN number | UN1760 | UN1760 | UN1760 | UN1760 |
| UN proper shipping name | CORROSIVE LIQUID, N.O.S. (Hydrochloric acid; Amines, tallow alkyl, ethoxylated) | CORROSIVE LIQUID, N.O.S. (Hydrochloric acid; Amines, tallow alkyl, ethoxylated) | CORROSIVE LIQUID, N.O.S. (Hydrochloric acid; Amines, tallow alkyl, ethoxylated) | CORROSIVE LIQUID, N.O.S. (Hydrochloric acid; Amines, tallow alkyl, ethoxylated) |
| Transport hazard class(es) | 8  | 8  | 8  | 8  |
| Packing group | II | II | II | II |
| Environmental hazards | No. | No | No. | No |

Additional information

DOT Classification : **Limited quantity**
 TDG Classification : **Limited quantity**
 IMDG : **Limited quantity**
 IATA : **See DG List**

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

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15. Regulatory information

U.S. Federal regulations : Clean Water Act (CWA) 311: Hydrochloric acid

Clean Air Act (CAA) 112 regulated toxic substances: Hydrochloric acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Listed

SARA 302/304

Composition/information on ingredients

| Name | % | EHS | SARA 302 TPQ | | SARA 304 RQ | |
|-------------------|---------|------|--------------|-----------|-------------|-----------|
| | | | (lbs) | (gallons) | (lbs) | (gallons) |
| hydrochloric acid | 10 - 30 | Yes. | 500 | 59940.1 | 5000 | 599400.8 |

SARA 304 RQ : 41666.7 lbs / 18916.7 kg [4828.3 gal / 18277 L]

SARA 311/312

Classification : CORROSIVE TO METALS - Category 1
 ACUTE TOXICITY (oral) - Category 4
 ACUTE TOXICITY (dermal) - Category 4
 SKIN CORROSION - Category 1
 SERIOUS EYE DAMAGE - Category 1

Composition/information on ingredients

| Name | % | Classification |
|-----------------------------------|---------|---|
| hydrochloric acid | 10 - 30 | ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| Amines, tallow alkyl, ethoxylated | 1 - 5 | ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A |
| Alcohols, C12-16, ethoxylated | 1 - 5 | ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE - Category 1 |
| Methyl salicylate | 0.1 - 1 | ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A |

SARA 313

| | Product name | CAS number | % |
|--|-------------------|------------|---------|
| Form R - Reporting requirements | Hydrochloric acid | 7647-01-0 | 10 - 30 |
| Supplier notification | Hydrochloric acid | 7647-01-0 | 10 - 30 |

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15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: HYDROGEN CHLORIDE; HYDROCHLORIC ACID
New York : The following components are listed: Hydrochloric acid
New Jersey : The following components are listed: HYDROGEN CHLORIDE; HYDROCHLORIC ACID
Pennsylvania : The following components are listed: HYDROCHLORIC ACID
California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

Label elements

CCCR

- Signal word** : DANGER
Hazard statements : CORROSIVE TO EYES AND SKIN.
 HARMFUL OR FATAL IF SWALLOWED.

- Precautionary measures** :
 KEEP OUT OF REACH OF CHILDREN
 Avoid contact with eyes, skin or clothing. DO NOT breathe vapour. DO NOT mix with bleach or other chlorinating compounds. This product should not be used or placed on toilet lids, vanities, sinks, bathtubs, cabinets, countertops, rugs, floors etc.

EPA

- Signal word:** : DANGER
Hazard statements : CORROSIVE.
 Causes irreversible eye damage and skin burns.
 Harmful if swallowed.

- Special Inert substance.** : No known significant effects or critical hazards.
Precautionary measures : KEEP OUT OF REACH OF THE CHILDREN.
 Do not get in eyes, on skin or on clothing. Wear protective eyewear [safety glasses/goggles], protective gloves and protective clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Do not breathe vapor or fumes.

- Skin sensitizer** : No known significant effects or critical hazards.

Additional information / Recommendations

- Additional information** : Not applicable
Recommendations : No known significant effects or critical hazards.

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16. Other information

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

| | | |
|------------------|---|---|
| Health | / | 3 |
| Flammability | | 0 |
| Physical hazards | | 1 |
| | | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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



NFPA (30B) aerosol Flammability Not applicable

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations

- : ATE = Acute Toxicity Estimate
- : BCF = Bioconcentration Factor
- : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- : IATA = International Air Transport Association
- : IBC = Intermediate Bulk Container
- : IMDG = International Maritime Dangerous Goods
- : LogPow = logarithm of the octanol/water partition coefficient
- : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- : UN = United Nations

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Prepared by : Reckitt Benckiser LLC.
Product Safety Department
1 Philips Parkway
Montvale, New Jersey 07646-1810 USA.
FAX: 201-476-7770

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16. Other information

Revision comments : Updated section 3, & 15.

✔ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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