



CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS - SPECIALITY PRODUCTS

MATERIAL SAFETY DATA SHEET

Product Code(s) MSDS-157

Revision Date 14-Nov-2013

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Kaboom Liquid Bowl Blaster
Product Code(s) MSDS-157
Recommended Use Toilet cleaner.
Product Type Mixture
Synonyms Detergent
Manufactured by Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ 08543

Emergency Telephone Number 1-800-424-9300
Poison Information Center Telephone inquiry
Telephone Number 1-888-234-1828

For further information, please also consult our Internet site www.churchdewight.com

2. HAZARDS IDENTIFICATION

Emergency Overview

Can cause chemical burns to skin, eyes, and mucous membranes
Ingestion or inhalation can cause severe injury and possibly death

Hazardous fumes will be generated if mixed with chlorine bleach, ammonia, or other household cleansers and chemicals

Appearance Clear, violet colored

Physical State Liquid

Odor Citrus

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). However, the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. Therefore, the requirements of the Occupational Safety and Health Administration applicable to this MSDS differ from the labeling requirements of the CPSC, and this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HMIS **Health Hazard** 3 **Flammability** 0 **Reactivity** 0

Potential Health Effects

Acute Toxicity

Eyes Can cause burns with impairment or permanent loss of vision.
Skin Can cause severe irritation and chemical burns.
Inhalation Fumes can cause irritation with possible corrosive burns of the upper respiratory tract, pain and coughing, difficult breathing, headache, chemical pneumonitis, and pulmonary edema.
Ingestion Harmful if swallowed. May be fatal if swallowed. Can cause mucous membrane and circumoral burns, abdominal pain and discomfort, perforation of the esophagus and gastrointestinal tract, necrosis of the stomach, respiratory distress (secondary to epiglottal swelling), shock and renal failure.

Chronic Effects

No known effect based on information supplied

Aggravated Medical Conditions

None known

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	80-85
Hydrochloric acid	7647-01-0	10-20
Tallow Amine Ethoxylate	61791-26-2	1-4

4. FIRST AID MEASURES

Eye Contact

Immediately flush eyes with large amounts of clean, flowing water for at least 15 minutes, occasionally lifting upper and lower eyelids.. Flush eyes for 15 minutes or until no evidence of product remains. Immediate medical attention is required.

Inhalation

Move victim to fresh air. Get medical attention if person has difficulty breathing. If breathing is irregular or stopped, administer artificial respiration.

Skin Contact

Remove and wash contaminated clothing before re-use. Immediately flush affected areas with large amounts of water until no evidence of product remains. Get medical attention if irritation develops and persists.

Ingestion

Get medical attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water and afterwards drink plenty of water or milk. Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties

Not flammable

Flash Point

N/A

Flammability Limits in Air

Not flammable

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Hazardous Combustion Products

Hydrogen chloride.

Explosion Data

Not sensitive

Sensitivity to Mechanical Impact

Not sensitive

Sensitivity to Static Discharge

Not sensitive

Specific Hazards Arising from the Chemical
Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Thermal decomposition can lead to release of toxic and corrosive gases/vapors.

Protective Equipment and Precautions for Firefighters

Keep upwind and avoid breathing corrosive vapors. Thermal decomposition may release corrosive hydrogen chloride. Apply cooling water in flooding amounts and from as far a distance as possible to sides of containers that are exposed to flames until well after fire is out. Water should not be used directly on material, but water spray can be used to absorb corrosive vapors.. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health Hazard 3

Flammability 0

Stability 0

Physical and Chemical Hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Isolate spill area and deny entry to unauthorized persons. Wear proper protective equipment (see Section 8) to prevent exposure to the spilled material. Stop the source of the leak if you can do so without risk. Ensure adequate ventilation.

Methods for Containment Dike to collect large liquid spills. Cover containers and remove from area for later disposal as regulations permit.

Methods for Cleaning Up For all spills, neutralize with soda ash or lime. Take up with sand or other absorbent material and shovel into clean, dry containers. Cover containers and remove from area for later disposal as regulations permit. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear personal protective equipment.

Storage Do not store in carbon steel or aluminum containers. Store in original container. Store in a cool, dry area away from incompatible materials. Keep in properly labeled containers. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSHIDLH
Hydrochloric acid 7647-01-0		(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Avoid contact with eyes. Goggles recommended for handling bulk liquid and for cleaning up spills.. Eyewash facility is recommended for the work area or close proximity.

Skin and Body Protection Chemical resistant gloves should be worn during occupational use conditions and for cleaning spills to prevent skin contact. Impervious clothing should be worn during occupational use conditions to prevent skin contact with this product.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, violet colored	Odor	Citrus
Odor Threshold	No information available	Physical State	Liquid
pH	1.0		
Flash Point	N/A	Autoignition Temperature	No information available
Decomposition Temperature	N/A	Boiling Point/Range	93°C / 200°F
Melting Point/Range	NA	Freezing Point	NA
Flammability Limits in Air	Not flammable	Explosion Limits	Not applicable
Specific Gravity	1.07 @ 15°C	Solubility	Completely soluble
Vapor Pressure	No data available	Vapor Density	No data available
VOC Content	Not applicable		

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Incompatible Products
Incompatible with cyanides, sulfides, sulfites and formaldehyde. Highly reactive with strong bases, metals, metal oxides, hydroxides, amines, carbonates, and alkaline materials in general.

Conditions to Avoid
DO NOT MIX with chlorine bleach, ammonia, or other household cleansers or chemicals. Do not use on chrome, countertops, bathtubs, washbowls, or other enamel surfaces.

Hazardous Decomposition Products
Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Hydrogen chloride.

Hazardous Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

The acute health effects described below are those, which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient.

EYE: May cause burns with impairment or permanent loss of vision. Symptoms may include pain, tearing and photophobia

SKIN: May cause irritation and chemical burns

INHALATION: Fumes may cause irritation with possible burn of the mucous membranes of the upper respiratory tract, conjunctivitis, bronchitis, immediate pain and coughing, choking, headache, dizziness, weakness, chemical pneumonitis, and pulmonary edema

INGESTION : May cause mucous membrane and circumoral burns, excessive drooling, difficulty in swallowing, pain upon swallowing, vomiting of blood, abdominal pain, perforation of the esophagus and gastrointestinal tract, necrosis of the stomach, respiratory distress (secondary to epiglottal swelling), shock, renal failure and death

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 mL/kg (Rat)		
Hydrochloric acid	700 mg/kg (Rat)	5010 mg/kg (Rabbit)	3124 ppm (Rat) 1 h
Tallow Amine Ethoxylate	620 mg/kg (Rat)	10 g/kg (Rat)	

Chronic Toxicity

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox.	Daphnia Magna (Water Flea)
Hydrochloric acid		LC50= 282 mg/L Gambusia affinis 96 h		

Persistence and Degradability

Product is biodegradable

Bioaccumulation/Accumulation

Not likely to bioaccumulate

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging

Dispose of in accordance with local regulations

Chemical Name	California Hazardous Waste Status
Hydrochloric acid	Corrosive Reactive Toxic Corrosive

14. TRANSPORT INFORMATION

DOT

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III

TDG

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789

ICAO

<u>UN-No</u>	UN1789
<u>Hazard Class</u>	8
<u>Packing Group</u>	III

IATA

<u>UN-No</u>	UN1789
<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III
<u>ERG Code</u>	8L
<u>Max Qty for Passenger</u>	5 L
<u>Max Qty for Cargo</u>	60 L
<u>LQ</u>	1 L

IMDG/IMO

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III
<u>EmS No.</u>	F-A, S-B

RID

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III
<u>Classification Code</u>	C1

ADR

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III
<u>Classification Code</u>	C1

ADN

<u>Proper Shipping Name</u>	Hydrochloric acid (Mixture)
<u>Hazard Class</u>	8
<u>UN-No</u>	UN1789
<u>Packing Group</u>	III

Classification Code	C1
Special Provisions	520
Hazard Labels	8
Limited Quantity	LQ7

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	EINECL	ENCS	IECSC	KECL	PICCS	AICS
Water	Present	X	X	-	X	KE-35400	X	-
Hydrochloric acid	T	X	X	X	X	KE-20189	X	X
Tallow Amine Ethoxylate	XU	X	X	(7)-60	X	-	X	X

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Hydrochloric acid	7647-01-0	10-20	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Sudden Release of Pressure Hazard	No
Fire Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric acid	5000 lb			X

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act:..

Chemical Name	CAS-No	Weight %	HAPs data	VOC Chemicals	Class 1 Ozone Depleters	Class 2 Ozone Depleters
Hydrochloric acid	7647-01-0	10-20	Present			

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Hydrochloric acid	5000 lb	5000 lb

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Hydrochloric acid	X	X	X	X	X

International Regulations

Mexico - Grade No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Hydrochloric acid		Mexico: Ceiling= 5 ppm Mexico: Ceiling= 7 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Prepared By

Church & Dwight Co. Inc.
Product Stewardship
469 North Harrison Street
Princeton, New Jersey 08543
609.279.7705

Revision Date

14-Nov-2013

Reason for Revision

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS