



SAFETY DATA SHEET

Kaboom Bowl Blaster

Revision Number 2, Revision Date August 15, 2007

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code	MSDS_152
Product name	Kaboom Bowl Blaster
Product use	Toilet cleaner
Manufacturer, importer, supplier	Church & Dwight Co., Inc. 469 North Harrison Street Princeton, NJ, 08543
EMERGENCY TELEPHONE NUMBER	CHEMTREC: +1-703-527-3887 +1-800-424-9300 Medical Emergency 1-888-234-1828
CUSTOMER INFORMATION	1-800-781-7529

2. HAZARDS IDENTIFICATION

CAS	Chemical Name	% Weight	OSHA*	ACGIH*
112926-00-8	Silica, amorphous, precipitated and gel	1.0-3.0	N/A	10 mg/m3 TWA
617-48-1	Butanedioic acid, hydroxy-, (.+.-)-	30-40	N/A	N/A
144-55-8	Sodium bicarbonate	50-60	N/A	N/A
497-19-8	Sodium carbonate	5-7	N/A	N/A
26838-05-1	Butanedioic acid, sulfo-, C-dodecyl ester, disodium salt	2-3	N/A	N/A
68002-97-1	Alcohols, C10-16, ethoxylated	1-4	N/A	N/A

* OSHA - Final PELs - Time Weighted Averages (TWAs)

* ACGIH - Occupational Exposure Limits - TWA's

3. COMPOSITION/INFORMATION ON INGREDIENTS

Emergency Overview:

- This product is a consumer product. To the extent the product is used in a fashion typical to that of a consumer, protective measures, with the exception of those on the label, are not normally necessary. Where conditions and/or extent and/or duration of exposure differ from typical consumer use, appropriate protective measures to prevent eye and prolonged skin contact are recommended (Safety glasses, gloves, engineering controls, etc.).
- May cause skin irritation
- May cause severe eye irritation.

Eye contact	<ul style="list-style-type: none"> ● May cause severe eye irritation. ● May cause eye corrosion with corneal or conjunctival ulceration.
Skin contact	<ul style="list-style-type: none"> ● May cause moderate skin irritation. ● Solutions may cause severe irritation or burns.
Inhalation:	<ul style="list-style-type: none"> ● Inhalation may cause irritation to the respiratory tract.
Ingestion:	<ul style="list-style-type: none"> ● Ingestion may cause irritation to mucous membranes ● May be harmful if swallowed
General advice	<ul style="list-style-type: none"> ● This product is a consumer product. To the extent the product is used in a fashion typical to that of a consumer, protective measures, with the exception of those on the label, are not normally necessary. Where conditions and/or extent and/or duration of exposure differ from typical consumer use, appropriate protective measures to prevent eye and prolonged skin contact are recommended (Safety glasses, gloves, engineering controls, etc.). ● Users with skin conditions (eczema, psoriasis, etc..) respiratory conditions (asthma, bronchitis, emphysema, etc..) or with chemical sensitivities should take protective precautions.
Properties affecting health	None known
Principle Routes of Exposure	Skin, Eye, Ingestion, Inhalation



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4. FIRST AID MEASURES

General advice	<ul style="list-style-type: none"> ● If symptoms persist, call a physician ● Show this safety data sheet to the doctor in attendance
Skin contact	<ul style="list-style-type: none"> ● Wash skin with plenty of water for 15 minutes, removing all contaminated clothes and shoes. ● Consult a physician if necessary
Eye contact	<ul style="list-style-type: none"> ● Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses and also flush under the eyelids. ● Keep eye wide open while rinsing ● Consult a physician
Inhalation:	<ul style="list-style-type: none"> ● Move to fresh air ● If not breathing, give artificial respiration ● If breathing is difficult, give oxygen ● Call a physician or Poison Control Centre immediately
Ingestion:	<ul style="list-style-type: none"> ● Clean mouth with water and afterwards drink plenty of water ● Do not induce vomiting ● Never give anything by mouth to an unconscious person ● Consult a physician
Notes to physician	<ul style="list-style-type: none"> ● Treat symptomatically
Protection of first-aiders	<ul style="list-style-type: none"> ● None known
Aggravated Medical Conditions	<ul style="list-style-type: none"> ● Users with skin conditions (eczema, psoriasis, etc.), respiratory conditions (asthma, bronchitis, emphysema, etc.), or with chemical sensitivities should take protective precautions.

5. FIRE-FIGHTING MEASURES

Flash point	n/d (as water)
Suitable extinguishing media	<ul style="list-style-type: none"> ● carbon dioxide (CO2) ● water spray ● alcohol-resistant foam ● dry chemical
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ● Not applicable
Specific hazards	<ul style="list-style-type: none"> ● Thermal decomposition can lead to release of irritating gases and vapours ● In the event of fire and/or explosion do not breathe fumes
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	<ul style="list-style-type: none"> ● Household Cleaning Product
Special protective equipment for firefighters	<ul style="list-style-type: none"> ● As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	<ul style="list-style-type: none"> ● Cool containers / tanks with water spray ● Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations
NFPA (National Fire Protection Association)	<ul style="list-style-type: none"> ● Unknown
HMIS (Hazardous Material Information System)	<ul style="list-style-type: none"> ● Not Determined

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	<ul style="list-style-type: none"> ● Evacuate personnel to safe areas
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	<ul style="list-style-type: none"> • Ensure adequate ventilation • Keep people away from and upwind of spill/leak • Use personal protective equipment
Environmental precautions	<ul style="list-style-type: none"> • Prevent further leakage or spillage if safe to do so • Prevent product from entering drains
Methods for cleaning up	<ul style="list-style-type: none"> • Pick up and transfer to properly labelled containers • Wear personal protective equipment • Do not breath dust, do not get in eyes or on skin, do not swallow. • For large spils or in contact with water, self-contained breathing apparatus is preferred.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions	<ul style="list-style-type: none"> • Use only in area provided with appropriate exhaust ventilation • Avoid contact with skin, eyes and clothing
Safe handling advice	<ul style="list-style-type: none"> • In case of insufficient ventilation, wear suitable NIOSH respiratory equipment

Storage

Technical measures/Precautions	<ul style="list-style-type: none"> • Keep containers tightly closed in a dry, cool and well-ventilated place • Keep in properly labelled containers • Keep out of the reach of children
Incompatible products	<ul style="list-style-type: none"> • None known
Specific use(s)	<ul style="list-style-type: none"> • Household Cleaning Product

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection	<ul style="list-style-type: none"> • Protective gloves for sensitive individuals or prolonged exposure
Eye protection	<ul style="list-style-type: none"> • Safety glasses with side-shields where eye exposure is likely • Avoid contact with eyes
Respiratory protection	<ul style="list-style-type: none"> • Not normally required
Skin and body protection	<ul style="list-style-type: none"> • Wear protective gloves
Hygiene measures	<ul style="list-style-type: none"> • Keep away from food, drink and animal feeding stuffs • When using, do not eat, drink or smoke • Avoid contact with skin, eyes and clothing
ENGINEERING CONTROLS	Local exhaust ventilation should be used to control dust where employee exposure exceeds occupational exposure limits or to control symptoms of overexposure
EXPOSURE LIMITS	None established

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Powder.
Appearance	Flowable Powder.
Colour	White.
Odour	None.

Important Health Safety and Environmental Information

pH	5 to 7
Boiling point/range	n/e
Flash point	n/e



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Molecular Weight	n/a.
Vapour pressure	n/e.
Vapour density(Air =1)	n/e.
Water solubility	Completely soluble in water.
Specific Gravity	1.000-1.200.

10. STABILITY AND REACTIVITY

Stability	<ul style="list-style-type: none"> ● Stable under normal conditions
Conditions to avoid	<ul style="list-style-type: none"> ● Heat, flames and sparks
Materials to avoid	<ul style="list-style-type: none"> ● Incompatible with oxidizing agents ● Metals and metallic salts, acids ● Incompatible with strong acids and bases ● Alkali metals and amines
Hazardous decomposition products	<ul style="list-style-type: none"> ● Thermal decomposition can lead to release of irritating gases and vapours
Polymerization	<ul style="list-style-type: none"> ● None under normal processing ● Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

CAS	Chemical Name	% Weight	LD50/oral/rat =
617-48-1	Butanedioic acid, hydroxy-, (.+-.)-	30-40	1600 mg/kg

617-48-1 Malic Acid

Standard Draize/rabbit skin: 500mg/24H, moderate; rabbit eye: 750ug/24H, severe

Product Information

Local effects	<ul style="list-style-type: none"> ● Unknown
Sensitization	<ul style="list-style-type: none"> ● May cause sensitization of susceptible persons
Chronic toxicity	<ul style="list-style-type: none"> ● Avoid repeated exposure ● Possible risks of irreversible effects ● Repeated contact may cause allergic reactions in very susceptible persons
Specific effects	
Carcinogenic Effects	<ul style="list-style-type: none"> ● None known
Mutagenic Effects	<ul style="list-style-type: none"> ● None known
Reproductive toxicity	<ul style="list-style-type: none"> ● None known
Target Organ Effects	<ul style="list-style-type: none"> ● None known

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight	Information
617-48-1	Butanedioic acid, hydroxy-, (.+-.)-	30-40	<p style="text-align: center;">Environmental Fate:</p> <p>When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the soil, this material is expected to readily biodegrade. When released to water, this</p>



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material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate.

Environmental Toxicity:
No information found

Product Information

Aquatic toxicity Unknown.

Other information:

Ozone depletion potential; ODP; (R-11 = 1)	• None
Global warming potential (GWP)	• None
Additional ecological information	• None

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products	• In accordance with local and national regulations
Contaminated packaging	• Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT
UN-No Not regulated
Proper shipping name n/a
Packing group Not applicable
Subsidiary Risk n/a
Description Household Cleaner

IATA
UN-No Not regulated
Proper shipping name n/a
Packing group Not applicable
Subsidiary Risk n/a
Description Household Cleaner

15. REGULATORY INFORMATION

TSCA:
WHMIS:

U.S. Inventories

CAS	Chemical Name	% Weight	TSCA*	WHMIS*	CERCLA /SARA*	DSL - Canada*	NJRTK*	MRTKL*	PRTK*
112926-00-8	Silica, amorphous, precipitated and gel	1.0-3.0	N/A	N/A	N/A	Present	N/A	N/A	Present
617-48-1	Butanedioic acid, hydroxy-, (.+.-)-	30-40	Present	D2B	N/A	Present	N/A	N/A	N/A
144-55-8	Sodium bicarbonate	50-60	Present	Uncontrolled product according to WHMIS	N/A	Present	N/A	N/A	N/A

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				classification criteria					
497-19-8	Sodium carbonate	5-7	Present	N/A	N/A	Present	N/A	N/A	N/A
26838-05-1	Butanedioic acid, sulfo-, C-dodecyl ester, disodium salt	2-3	Present	N/A	N/A	N/A	N/A	N/A	N/A
68002-97-1	Alcohols, C10-16, ethoxylated	1-4	XU	N/A	N/A	Present	N/A	N/A	N/A

- * TSCA - United States - Section 8 (b) Inventory (TSCA)
- * WHMIS - Canada - WHMIS - Classifications of Substances
- * CERCLA/SARA - Hazardous Substances and their Reportable Quantities
- * DSL - Canada - Domestic Substances List (DSL)
- * NJRTK - New Jersey - Department of Health RTK List
- * MRTKL - Massachusetts - Right To Know List
- * PRTK - Pennsylvania - RTK (Right to Know) List

International Inventories

CAS	Chemical Name	% Weight	EINECS*
112926-00-8	Silica, amorphous, precipitated and gel	1.0-3.0	N/A
617-48-1	Butanedioic acid, hydroxy-, (.+-.)-	30-40	210-514-9
144-55-8	Sodium bicarbonate	50-60	205-633-8
497-19-8	Sodium carbonate	5-7	207-838-8
26838-05-1	Butanedioic acid, sulfo-, C-dodecyl ester, disodium salt	2-3	248-030-5
68002-97-1	Alcohols, C10-16, ethoxylated	1-4	N/A

* EINECS - EINECS

16. OTHER INFORMATION

REASON FOR REVISION NEW

For additional non-emergency health, safety and environmental information call 609.279.7705 or write to:
 Church & Dwight Co., Inc.
 Product Safety Affairs
 469 North Harrison Street
 Princeton, New Jersey 08543

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