



Material Safety Data Sheet

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/ Trade Name: Kaboom Bowl Blaster
 HMIS codes: H 0, F 0, R 0, P ND

Supplier: Orange Glo International
 PO Box 3998 Littleton, CO 80110 USA
 MSDS preparation date: 11/17/03
 By: E. Koop
 MSDS Revision date: 2/16/05

MSDS Reviewed:

Emergency Phone: 303-740-1909
 Poison Control (US): 1-800-222-1222
 Transportation emergencies: ChemTrec 800-424-9300

Information Phone: 303-740-1909

ID# 114794

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

General Description: Self foaming powdered toilet cleaner

Hazardous Ingredients:
Ingredients not precisely identified are proprietary or nonhazardous

CAS #	Chemical name	%age range
77-92-9	Citric Acid	30 - 60
144-55-8	Sodium Bicarbonate	30 - 60
7320-34-5	Tetrapotassium Pyrophosphate	<1

Section 3: HAZARDS IDENTIFICATION

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 indicated on the label, are not normally necessary. Where use conditions and/or extent and duration of exposure differ from typical consumer use, however, appropriate protective measures to prevent eye and prolonged skin contact (glasses, goggles, rubber gloves, protective clothing) and minimize inhalation exposure (engineering controls, NIOSH-approved respiratory protection appropriate for the hazard presented) are recommended.

General: Material is not overly harmful in and of itself but contact with water and/or mucosal tissue will trigger an endothermic (cold) effervescent reaction.

Emergency: Seek medical attention for eye exposure and ingestion

Primary Route(s) of Entry: Skin, Eyes, Ingestion, Inhalation

Effects of Overexposure- Inhalation: Dust inhalation may cause irritation of respiratory tract or aggravate existing respiratory conditions. Extreme inhalation may cause chemical pneumonia.

Effects of Overexposure- Ingestion: May cause nausea, vomiting, and abdominal pain due to release of carbon dioxide effervescence.

Effects of Overexposure-Eyes: Slightly irritating.

Effects of Overexposure-Skin: Slightly irritating.

Effects of Overexposure-Chronic: None known

Hazards:

Material Safety Data Sheet

Section 4:	FIRST AID MEASURES
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- Skin: Wash with water and soap and rinse thoroughly. If skin irritation develops, consult a doctor.
- Eyes: Flush eyes immediately with water for 15 minutes while holding eyelids open. Consult doctor.
- Ingestion: If victim is conscious and alert, give 2-3 glasses of water and induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention. Vomiting may occur spontaneously. To prevent aspiration, lay victim on side with head lower than waist. If victim is conscious, give water to further dilute the chemical. Do not leave victim unattended.
- Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Seek medical attention if symptoms exist.
- Notes to Physician: Ingestion of large quantities of phosphate salts (over 1 gram in adults) may cause osmotic catharsis resulting in diarrhea and cramps. Larger doses (4-8 grams) will certainly cause these effects. Potassium salts have a hypothetical risk of hyperkalemia, which can cause cardiac arrhythmia. In addition to calcium levels, potassium levels should be monitored. Also consider continuous EKG monitoring to detect hyperkalemia.

Section 5:	FIRE FIGHTING MEASURES
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Flashpoint and method used:	N/A	Flammable limit: (LEL)	N/A	Flammable limit: (UEL)	N/A
Auto-ignition temperature:	N/A				
Extinguishing media:	Extinguishing powder or water spray. Product will endothermically effervesce on exposure to water releasing CO ₂ .				
Special fire-fighting protective equipment:	Use positive pressure self-contained breathing apparatus (SCBA) and full protective clothing				
Unusual fire and explosion hazards:	None known				
Explosion data:	ND				

Section 6:	ACCIDENTAL RELEASE MEASURES
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Personal protective equipment:	Large spills: self contained breathing apparatus. Small spills from consumer size packaging: avoid breathing dust.
Material release or spill:	Ventilate area. Sweep up and place in waste containers for disposal. Flush area well with water.
Other:	Dispose of in accordance with local, state and federal regulations. Material collected may be disposed in a permitted landfill in accordance with state, local and federal regulations. Empty container may retain product residue.



Material Safety Data Sheet

Section 7: HANDLING AND STORAGE

Storage: Store and use in a cool, dry, well ventilated area. Do not store above 120 deg. F (48 deg C.).

Precautions during handling and storage: Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: ND

Engineering controls: General protective and hygienic measures. Keep away from foodstuffs, beverages and food. Keep cool and dry. Provide adequate ventilation.

Eye protection: None under normal use. Use of safety glasses with splash guards or full face shield is recommended for industrial applications

Protective clothing: Solvent resistant gloves for prolonged or repeated contact.

Respiratory protection: None required if room is well ventilated. If vapors are present, use NIOSH or MSDA approved respiratory equipment.

Other PPE: None

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odor: None

Physical state: Powder

Boiling point:	N/A	Vapor density:	N/A
Vapor Pressure:	N/A	Evaporation rate:	N/A
Solubility in water:	Complete	Viscosity:	N/A
PH (1% Sol'n in Water):	4.8 – 5.0	Bulk Density:	1.1
Melting point:	N/A	Cloud point:	N/A
% Volatile by volume:	N/A	Freezing point:	N/A
Partition coefficient:	N/A		

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Chemically reactive metals such as aluminum, magnesium, zinc, copper, etc can react to release hydrogen gas, which can form explosive mixtures in air.

Conditions to avoid: Moisture, heat, elevated temperatures, strong acids, oxidizers, reactive metals.

Hazardous decomposition: May form oxides of phosphorous, potassium, carbon

Hazardous polymerization: Will not occur

Section 11: TOXICOLOGICAL PROPERTIES

Acute oral toxicity: No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR372 are present.

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, NTP, OSHA

Reproductive toxicity/
Teratogenicity: No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR372 are present.



Material Safety Data Sheet

Mutagenicity: No information
Toxicologically synergistic products: None known

Section 12: ECOLOGICAL INFORMATION

Persistence and degradation: No data
Toxicity: No data
Other: No data

Section 13: DISPOSAL CONSIDERATIONS

Disposal method: Dispose of in accordance with applicable local, state and federal regulations
Container disposal: Rinse containers with water before disposal.

Section 14: TRANSPORT INFORMATION

DOT proper shipping name:	Not regulated	DOT technical name:	N/A
DOT Hazard class:	N/A	Hazard subclass:	N/A
UN Number, proper shipping name:	N/A	Packing group:	N/A
Other Transport information:	N/A		

Section 15: REGULATORY INFORMATION

TSCA: All components are listed on the TSCA inventory
DSL: All components are listed on DSL
OSHA Haz Com 29 CFR 1910.1200: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200)
WHMIS Classification: Health=1, Flammability=0, Reactivity=0
CERCLA and SARA: N/A

Section 16: OTHER INFORMATION

% Volatile Organic Compounds (VOCs) N/A

Legend:	N.D. Not Determined	N.E. Not Established	N.A. Not Applicable
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The information provided has been adapted from the manufacturer supplied MSDS. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from use of MSDS information.



MSDS Addendum

Always follow label instructions and warnings. Typical use of product is a guideline only.

Typical Use of Product:	As a toilet cleaner, usage directs dilution into toilet bowl of approximated 4 ounces causing a foaming and cleaning action to rise to the top but not overflow the bowl. After 10 minutes of contact time and foam breakage, product is flushed into sewer system. Acid/bicarbonate reaction is essentially complete in < 2minutes with excess to the acid.
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