



SAFETY DATA SHEET

Never Scrub

Revision Number 2, Revision Date February 02, 2007

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

Product code KABOOM NEVER SCRUB
Product name Kaboom Never Scrub
Synonyms
Continuous Toilet Bowl Cleaner.
Manufacturer, importer, supplier Church & Dwight Co., Inc.
469 North Harrison Street
Princeton, NJ, 08543
EMERGENCY TELEPHONE NUMBER Product Information +1-800-781-7529
Poison Control +1-888-234-1828
CHEMTREC +1-800-424-9300

2. HAZARDS IDENTIFICATION

CAS	Chemical Name	% Weight	OSHA*	ACGIH*	ACGIH*
126-06-7	3-Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione	0 - 12%	N/A	N/A	N/A
16079-88-2	2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-	0 - 12%	N/A	N/A	N/A
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	60 - 80%	0.2 mg/m3 TWA	0.4 mg/m3 STEL	0.2 mg/m3 TWA
89415-87-2	2,4-Imidazolidinedione, 1,3-dichloro-5-ethyl-5-methyl-	10 - 20	N/A	N/A	N/A

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

* ACGIH - Occupational Exposure Limits - STELs

* ACGIH - Occupational Exposure Limits - TWAs

3. COMPOSITION/INFORMATION ON INGREDIENTS

Emergency Overview:

- The product may cause burns of eyes and mucous membranes
- May be harmful by inhalation
- Based upon available toxicity information for this, and closely related materials, it is anticipated that this material will be harmful if swallowed and direct skin and eye contact can result in severe skin and eye irritation and/or chemical burns with potential irreversible damage. Inhalation of dust can be severely irritating to the lungs with potential systemic absorption and tissue damage. Repeated skin exposure may induce sensitization.

Eye contact	<ul style="list-style-type: none">• May cause severe eye irritation.• Corrosive to the eyes and may cause severe damage including blindness• Risk of serious damage to eyes
Skin contact	<ul style="list-style-type: none">• Causes skin burns
Inhalation:	<ul style="list-style-type: none">• May be harmful by inhalation
Ingestion:	<ul style="list-style-type: none">• Ingestion causes burns of the upper digestive and respiratory tracts• Can burn mouth, throat, and stomach• Harmful if swallowed
General advice	<ul style="list-style-type: none">• See First Aid section
Properties affecting health	<ul style="list-style-type: none">• No effects indicated
Principle Routes of Exposure	<ul style="list-style-type: none">• Eye• Inhalation• Skin

4. FIRST AID MEASURES



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General advice	<ul style="list-style-type: none"> • Show this safety data sheet to the doctor in attendance
Skin contact	<ul style="list-style-type: none"> • Immediate medical attention is required • Wash skin with plenty of water for 15 minutes, removing all contaminated clothes and shoes.
Eye contact	<ul style="list-style-type: none"> • Immediate medical attention is required • In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes • Keep eye wide open while rinsing • If physician is not available, flush for additional 15 minutes and transport victim to medical care.
Inhalation:	<ul style="list-style-type: none"> • Immediate medical attention is required • If not breathing, give artificial respiration • If breathing is difficult, give oxygen • Move to fresh air
Ingestion:	<ul style="list-style-type: none"> • If swallowed, immediately give 3-4 glasses of water. • Do not induce vomiting • If vomiting occurs, give fluids again. • Immediate medical attention is required • Never give anything by mouth to an unconscious person • Have physician determine if condition allows induction of vomiting or evacuation of stomach.
Aggravated Medical Conditions	<ul style="list-style-type: none"> • No effects indicated

5. FIRE-FIGHTING MEASURES

Flash point	>200 F (COC)
Suitable extinguishing media	<ul style="list-style-type: none"> • water spray • alcohol-resistant foam • dry chemical
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> • Unknown
Specific hazards	<ul style="list-style-type: none"> • To minimize noxious gas generation, flood burning material with large quantities of water. • Cool fire exposed containers with water spray. • Must wear NIOSH approved self-contained breathing apparatus and protective clothing
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	<ul style="list-style-type: none"> • Material is a strong oxidizer and corrosive. May ignite combustible materials and produce noxious gases. Products of combustion are toxic. <p>This product is classified as a ST-1 dust explosive hazard. Airborne dusts of this material, in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.</p>
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"> • Health = 3 ; Fire = 4, Reactivity = 1



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	<ul style="list-style-type: none"> ● Danger! Oxidizing material. ● Do not breath dust, do not get in eyes or on skin, do not swallow. ● Evacuate personnel to safe areas ● Ensure adequate ventilation ● Keep people away from and upwind of spill/leak ● Use personal protective equipment
Environmental precautions	<ul style="list-style-type: none"> ● Material is toxic to fish. ● Do not discharge into lakes, stream, ponds or public water unless in accordance with an NPDES permit.
Methods for cleaning up	<ul style="list-style-type: none"> ● Take up mechanically, avoiding generation of dust, and collect in suitable container for disposal ● Do not breath dust, do not get in eyes or on skin, do not swallow. ● Wear personal protective equipment ● For large spills or in contact with water, self-contained breathing apparatus is preferred. ● Danger! Oxidizing material ● Possible dust explosion hazard. ● Neutralize any resdiue with dilute alkaline sodium bisulfite or thiosulfate solution. ● Absorb with sand or vermiculite and place in compatible container for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions	<ul style="list-style-type: none"> ● Avoid contact with skin, eyes and clothing ● Do not breath dust, do not get in eyes or on skin, do not swallow. ● Ensure adequate ventilation
Safe handling advice	<ul style="list-style-type: none"> ● Avoid contact with skin and eyes and clothing ● In case of insufficient ventilation, wear suitable NIOSH respiratory equipment ● Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer. ● Do not breath dust, do not get in eyes or on skin, do not swallow. ● Fine dust dispersed in air may ignite

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 ● Store away from organic material. product is a strong oxizer and corrosive. ● Keep away from direct sunlight ● Keep away from heat ● Empty containers may contain residue and can be dangerous.
Incompatible products	<ul style="list-style-type: none"> ● Oxidizable materials
Specific use(s)	<ul style="list-style-type: none"> ● Toilet Cleaner

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	<ul style="list-style-type: none"> ● Ensure adequate ventilation, especially in confined areas
Personal protective equipment	
Hand protection	<ul style="list-style-type: none"> ● Rubber or neoprene gloves
Eye protection	<ul style="list-style-type: none"> ● Tightly fitting safety goggles in tight areas or where exposure to eyes is likely.



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	<ul style="list-style-type: none"> ● Avoid contact with eyes
Respiratory protection	<ul style="list-style-type: none"> ● In case of insufficient ventilation, wear suitable NIOSH respiratory equipment
Skin and body protection	<ul style="list-style-type: none"> ● Use chemical protective clothing for prolonged or repeated contact. ● Long sleeved clothing - gloves - boots - apron
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 ● Contaminated work clothing should not be allowed out of the workplace ● Regular cleaning of equipment, work area and clothing ● Avoid contact with skin, eyes and clothing ● For environmental protection remove and wash all contaminated protective equipment before re-use ● Wear suitable gloves and eye/face protection
Environmental exposure controls	<ul style="list-style-type: none"> ● Do not breath dust, do not get in eyes or on skin, do not swallow.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Granular. Pellets.
Appearance	Solid.
Colour	White.
Odour	Chlorine like chemical.

Important Health Safety and Environmental Information

pH	Unknown
Boiling point/range	N/A
Vapour pressure	n/e.
Density	n/e
Vapour density(Air =1)	n/e.
Water solubility	5 g/l @ 25C.
Specific Gravity	n/e.
Viscosity	n/a
Vapour pressure	n/a
Melting point/range	106 to 148
Evaporation Rate (Butyl Acetate=1)	<1
Percent Volatile (by volume)	<0.5

10. STABILITY AND REACTIVITY

Stability	<ul style="list-style-type: none"> ● Stable under normal conditions ● Decomposes at 181C
Conditions to avoid	<ul style="list-style-type: none"> ● None Known
Materials to avoid	<ul style="list-style-type: none"> ● Incompatible with strong acids and bases ● High temperatures ● Readily oxidized materials ● Moisture
Hazardous decomposition products	<ul style="list-style-type: none"> ● Thermal decomposition may produce toxic vapors/fumes of Chlorine, bromine, organic materials and oxides of carbon and nitrogen.
Polymerization	<ul style="list-style-type: none"> ● Will not occur

11. TOXICOLOGICAL INFORMATION



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Acute toxicity

Component Information

Product Information

LD50/oral/rat =	468 - 477 mg/kg
Local effects	
Skin irritation	Corrosive
Eye irritation	Severe irritant and corrosive
Sensitization	Skin sensitizer.
Specific effects	Severely irritating to the lung upon inhalation with potential systemic absorption and tissue damage.
Carcinogenic Effects	Not determined.
Mutagenic Effects	Not determined.
Reproductive toxicity	Not determined.
Target Organ Effects	Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

CAS	Chemical Name	% Weight	EFFSD*
126-06-7	3-Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione	0 - 12%	96 Hr LC50 rainbow trout: 0.87 mg/L;96 Hr LC50 fathead minnow (juvenile):0.28 mg/L;96 Hr LC50 bluegill: 0.56 mg/L
16079-88-2	2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-	0 - 12%	N/A
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	60 - 80%	N/A
89415-87-2	2,4-Imidazolidinedione, 1,3-dichloro-5-ethyl-5-methyl-	10 - 20	N/A

* EFFSD - Ecotoxicity - Freshwater Fish Species Data

Product Information

Aquatic toxicity

LC50 - (Rainbow Trout) -96 hours:0.5mg/l
(Bluegill Sunfish) - 96 hours:1.2mg/l
(Daphnia magna) - 48 hours:0.4mg/l
(Mysid shrimp) - 96 hours:0.93mg/l
(Sheepshead minnow) - 96 hours:1.4mg/l as Br2
EC50 - (Eastern Oysters) - 96 hours:0.84mg/l
(Algae-Selenastrum) - 72 hours: 0.12mg/l

Other information:

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products	Dispose of in accordance with Federal, state and local regulations. Incineration is the preferred method. Relatively small quantities of product can be neutralized (see section 6) and, if in accordance with local laws and operators, discharged into sewage treatment systems and plants.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
Further information	

14. TRANSPORT INFORMATION



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DOT	Oxidizer
UN-No	1479
Proper shipping name	Oxidizing Solid N.O.S.
Packing group	II
Description	CorrosiveMarine Pollutant
Hazard Class	5.1
IMDG	Oxidizing Solid, Corrosive, N.O.S. (UN# - 3085)
ADR	Oxidizer
UN-No	1479
Proper shipping name	Oxidizing Solid N.O.S.
Packing group	II
Subsidiary Risk	5.1
Description	CorrosiveMarine Pollutant
ICAO	Oxidizer
UN-No	1479
Proper shipping name	Oxidizing Solid N.O.S.
Packing group	II
Subsidiary Risk	5.1
Description	CorrosiveMarine Pollutant
IATA	Oxidizer
UN-No	1479
Proper shipping name	Oxidizing Solid N.O.S.
Packing group	II
Subsidiary Risk	5.1
Description	CorrosiveMarine Pollutant

15. REGULATORY INFORMATION

U.S. Inventories

CAS	Chemical Name	% Weight	TSCA*	SARA Title III, Sections 311/312	NJRTK*	WHMIS*	WHMIS*	PRTK*
126-06-7	3-Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione	0 - 12%	Present	A,F	N/A	N/A	N/A	N/A
16079-88-2	2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-	0 - 12%	P; S	A,F	N/A	N/A	N/A	N/A
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	60 - 80%	Present	A,F	sn 0650	D2B	1 % (English Item 544, French Item 663)	Present
89415-87-2	2,4-Imidazolidinedione, 1,3-dichloro-5-ethyl-5-methyl-	10 - 20	P	A,F	N/A	N/A	N/A	N/A

* TSCA - United States - Section 8 (b) Inventory (TSCA)

* NJRTK - New Jersey - Department of Health RTK List

* WHMIS - Canada - WHMIS - Classifications of Substances

* WHMIS - Canada - WHMIS - Ingredient Disclosure

* PRTK - Pennsylvania - RTK (Right to Know) List

International Inventories

6 of 7 n/e - Not Established

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CAS	Chemical Name	% Weight	DSL - Canada*	WHMIS*
126-06-7	3-Bromo-1-chloro-5,5-dimethyl-2,4-imidazolidinedione	0 - 12%	Present	N/A
16079-88-2	2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl-	0 - 12%	Present	N/A
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	60 - 80%	Present	D2B
89415-87-2	2,4-Imidazolidinedione, 1,3-dichloro-5-ethyl-5-methyl-	10 - 20	Present	N/A

* DSL - Canada - Domestic Substances List (DSL)

* WHMIS - Canada - WHMIS - Classifications of Substances

16. OTHER INFORMATION**Literary reference****Prepared By**

Other

Household Cleaning Product.

Eileen Koop.

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, we assume no liability resulting from use of MSDS information.

End of Safety Data Sheet