

3172650 ; CK1900

MATERIAL SAFETY DATA SHEET

JohnsonDiversey



JohnsonDiversey Inc.

Crew Bathroom Cleaner & Scale Remover

HMIS		NFPA	Personal protective equipment	
Health	2	2		
Fire Hazard	0	0		
Reactivity	0	0		

Version Number: 4

Preparation date: 2009-09-29

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Crew Bathroom Cleaner & Scale Remover
 MSDS #: MSD200012
 Product Code: 3145310, 3172650, 5271230
 Recommended use: Cleaning product. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:

US Headquarters
 JohnsonDiversey, Inc.
 8310 16th St.
 Sturtevant, Wisconsin 53177-1964
 Phone: 1-888-352-2249
 MSDS Internet Address:
 www.johnsondiversey.com
 Emergency telephone number:

Canadian Headquarters
 JohnsonDiversey - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-666-3131

1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Principle routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.
 Eye contact: Severe eye irritation.
 Skin contact: Moderately irritating to the skin.
 Inhalation: May be irritating to nose, throat, and respiratory tract.
 Ingestion: May be irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Potassium dodecylbenzene sulfonate	27177-77-1	20 - 30%	Not available	Not available	Not available
Citric acid	77-92-9	1 - 5%	3000	Not available	Not available
Diethylene glycol butyl ether	112-34-5	10 - 20%	3384	= 2700 mg/kg	Not available
Lactic acid	50-21-6	1 - 5%	3543	> 2 g/kg	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.
 Skin contact: Flush immediately with plenty of water. If irritation persists, get medical attention.
 Inhalation: If breathing is affected, remove to fresh air. Get medical attention.
 Ingestion: If swallowed, give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
 Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
 Specific hazards: None known.
 Unusual hazards: None known.
 Specific methods: No special methods required.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Crew Bathroom Cleaner & Scale Remover

1 of 3

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Environmental precautions and clean-up methods:

Use personal protective equipment.
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection:

Chemical-splash goggles.

Hand protection:

Chemical-resistant gloves.

Skin and body protection:

No special protective clothing is required.

Respiratory protection:

No special protective clothing is required.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	11.1	Dilution pH:	9.9 @ 1:256
Appearance:	Liquid	Vapor density:	No information available
Color:	Clear Green	Evaporation Rate:	No information available
Odor:	Ammonia	Boiling point/range:	Not determined
Specific gravity:	0.99	Melting point/range:	Not determined
Density:	8.26 lbs/gal 0.99 Kg/L	Decomposition temperature:	Not determined
VOC:	0% *	Autoignition temperature:	No information available
Flash point:	>200°F >93.4°C	Partition coefficient (n-octanol/water):	No information available
Solubility:	Completely Soluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0.00% by wt.

Explosion limits: - lower: Not determined- upper: Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:	The product is stable.
Polymerization:	Hazardous polymerization does not occur
Hazardous decomposition products:	None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral LD50 estimated to be between 4000 - 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg
Component Information:	See Section 3
Chronic toxicity:	None known
Specific effects	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	None known

12. ECOLOGICAL INFORMATION

Environmental Information:	No data available
----------------------------	-------------------

13. DISPOSAL CONSIDERATIONS

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NIRTK:	PARTK:	RIRTK:
Ammonium hydroxide	1336-21-6	X	X	X	-
Water	7732-18-5	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-

CERCLA / SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPO (lbs)	Section 313
Ammonium hydroxide	1336-21-6	1 - 5%	1000		X

SARA 311/312 Hazard Categories

Immediate: X
Delayed: -
Fire: -
Reactivity: -
Sudden Release of Pressure: -

Canada



WHMIS hazard class: D2B Toxic materials.

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAFFAC
Additional advice: None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.