

3172650

MATERIAL SAFETY DATA SHEET

JohnsonDiversey
Clean is just the beginning

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 #: MS0200012
 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

Canadian Headquarters
 JohnsonDiversey - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Emergency telephone number: 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	50-21-5	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

5. FIRE-FIGHTING MEASURES

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Environmental precautions
and clean-up methods:

Use personal protective equipment
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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
pH: 4.1
Appearance: Aqueous solution
Color: Clear Dark Purple
Odor: Glycol Ether
Specific gravity: 1.064
Density: 8.88 lbs/gal 1.064 Kg/L
VOC: 0.042% *
Flash point: >200°F >93.4°C
Solubility: Completely Soluble
Viscosity: No information available

Bulk density: No information available
Dilution pH: 3.15 @ 1:18
Vapor density: No information available
Evaporation Rate: No information available
Boiling point/range: Not determined
Melting point/range: Not determined
Decomposition temperature: Not determined
Autoignition temperature: No information available
Partition coefficient (n-octanol/water): No information available
Solubility in other solvents: No information available
Elemental Phosphorus: 0.0% 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.

Conditions to avoid:

Do not freeze.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Component Information:

Oral LD50 estimated to be between 2000 - 3000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg
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

12. ECOLOGICAL INFORMATION**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:	NJRTK:	PARTK:	RJRTK:
Water	7732-18-5	-	-	-	-
Diethylene glycol butyl ether	112-34-5	-	-	-	-
Alcohol ethoxylate	68002-97-1	-	-	-	-
Lactic acid	50-21-5	-	X	-	-
Potassium dodecylbenzene sulfonate	27177-77-1	-	-	-	-
Potassium Citrate	866-84-2	-	-	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethylene glycol butyl ether	112-34-5	10 - 20%			X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethylene glycol butyl ether	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: NA/FRAC
Additional advice: None

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