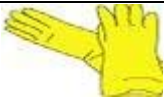


MATERIAL SAFETY DATA SHEET



CREW CLINGING TOILET BOWL CLEANER

HMIS		NFPA	Personal protective equipment
Health	3	3	  
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2

Preparation date: 2007-05-09

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CREW CLINGING TOILET BOWL CLEANER

MSDS #: 126689001

Product code: 54565

Recommended use: Cleaning product.

Manufacturer, importer, supplier:

US Headquarters	Canadian Headquarters
JohnsonDiversey, Inc.	JohnsonDiversey - Canada, Inc.
8310 16th St.	2401 Bristol Circle
Sturtevant, Wisconsin 53177-0902	Oakville, Ontario L6H 6P1
Phone: 1-888-352-2249	Phone: 1-800-668-3131
MSDS Internet Address:	
www.johnsondiversey.com	

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED.

Principle routes of exposure:

Eye contact. Skin contact. Inhalation.

Eye contact:

Corrosive. Causes permanent eye damage, including blindness.

Skin contact:

Corrosive. Causes permanent damage.

Inhalation:

May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion:

Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Hydrochloric acid	7647-01-0	10 - 20%	=700 mg/kg	>5010 mg/kg	=3124 ppm (1 h)

4. FIRST AID MEASURES

Eye contact:

Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact:

Flush immediately with plenty of water for at least 15-20 minutes. Get medical attention immediately.

Inhalation:

If breathing is affected, remove to fresh air. Get medical attention immediately.

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:

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., 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:

Not applicable

Unusual hazards:

Corrosive material (See sections 8 and 10).

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions and clean-up methods: Clean-up methods - large spillage. 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. Avoid breathing vapors or mists. Use only with adequate ventilation. 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:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves
Skin and body protection: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Hydrochloric acid	7647-01-0	2 ppm (Ceiling)	5 ppm (Ceiling) 7 mg/m ³ (Ceiling)	5 ppm (Ceiling) 7 mg/m ³ (Ceiling)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	1.0	Dilution pH:	No information available.
Appearance:	Liquid	Vapor density:	No information available
Color:	Green	Evaporation Rate	No information available
Odor:	Floral	Boiling point/range:	Not determined
Specific gravity:	1.05	Melting point/range:	Not determined
Density:	8.73 lbs/gal	Decomposition temperature:	Not determined
VOC:	0% *	Autoignition temperature:	No information available
Flash point:	>200°F >93.3°C	Partition coefficient (n-octanol/water):	No information available
Solubility:	Soluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0 %P

* - 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.
Materials to avoid: Strong bases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Corrosive Oral LD50 estimated to be >1000 and <5000 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

11. TOXICOLOGICAL INFORMATION

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	NTP	IARC	OSHA
Hydrochloric acid	7647-01-0		3	

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

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

RCRA Hazard Class: D002

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/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Philippines (PICCS).

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:	RIRTK:
Water	7732-18-5	-	-	-	-
Ethoxylated oleyl amine	13127-82-7	-	-	-	-
Hydrochloric acid	7647-01-0	X	X	X	X

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrochloric acid	7647-01-0	10 - 20%	5000	500	X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Hydrochloric acid	X		

SARA 311/312 Hazard Categories

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

Canada

WHMIS hazard class: E Corrosive material .



Ingredient(s)	CAS #	NPRI
Hydrochloric acid	7647-01-0	X

16. OTHER INFORMATION

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

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