



STEP ONE

HMIS		NFPA	Personal protective equipment	
Health	3	3		
Fire Hazard	1	1		
Reactivity	0	0		

Version Number: 2

Preparation date: 2007-05-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: STEP ONE
MSDS #: MS0100783
Product code: 04903103, 04903019, 04903700
Recommended use: Industrial/Institutional.

Manufacturer, importer, supplier:
 JohnsonDiversey, Inc. Canadian Headquarters
 3630 E. Kemper Rd. JohnsonDiversey - Canada, Inc.
 Cincinnati, OH 45241 2401 Bristol Circle
 Phone: 1-800-438-2647 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-7171

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. ASPIRATION HAZARD. Aspiration into the lungs may cause chemical pneumonitis. CORROSIVE TO EYES. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. 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: Severe skin irritation.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Aspiration into the lungs may cause chemical pneumonitis. 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
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 20%	>5000 mg/kg	>2000 mg/kg	=2.18 mg/L (4 h)
Amines, N-tallow alkyltrimethylenedi-, propoxylated	68603-75-8	20 - 30%	Not available	Not available	Not available

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 minutes. Get medical attention.
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: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical. Foam. carbon dioxide .
Specific hazards: Not applicable
Unusual hazards: None known
Specific methods: No special methods required

5. FIRE-FIGHTING MEASURES

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: Contaminated surfaces will be extremely slippery. Use personal protective equipment.
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Prevent product from entering drains. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. 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.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves
Skin and body protection: 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
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5		2000 mg/m ³ 500 ppm	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Bulk density: No information available
pH: Not applicable	Dilution pH: No information available.
Appearance: Aqueous solution	Vapor density: No information available
Color: Brown , Red.	Evaporation Rate: No information available
Odor: Amine-like	Boiling point/range: Not determined
Specific gravity: 0.919	Melting point/range: Not determined
Density: 7.67 lbs/gal	Decomposition temperature: Not determined
VOC: 7% *	Autoignition temperature: No information available
Flash point: >200°F >93.3°C	Partition coefficient (n-octanol/water): No information available
Solubility: Dispersible	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: Oxidising agents.
Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 estimated to be > 2000 mg/kg.
Component Information: See Section 3
Chronic toxicity: None known

11. TOXICOLOGICAL INFORMATION

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

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:	RIRTK:
Calcium sulfonate	61789-86-4	-	-	-	-
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	-	-	-	-
Severely treated mineral oils	N/A*	-	-	-	-
Alcohol ethoxylates	68439-46-3	-	-	-	-
Amines, N-tallow alkyltrimethylenedi-, propoxylated	68603-75-8	-	-	-	-

CERCLA/ SARA

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

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: NAPRAC
Additional advice: None

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