

JA4603

MATERIAL SAFETY DATA SHEET



FINAL STEP SANITIZER

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

Version Number: 3

Preparation date: 2009-11-20

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: FINAL STEP SANITIZER

MSDS #: MS0127191

Product Code: 4603095

Recommended use: Sanitizer. 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: 1-800-851-7146 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

ANGER CORROSIVE CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE LIQUID AND VAPOR.

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 ingredients

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	68391-01-5	20 - 30%	500	Not available	Not available
Alkyl dimethyl ethyl benzyl ammonium chloride	85409-23-0	20 - 30%	Not available	Not available	Not available
Ethyl alcohol	64-17-5	5 - 10%	7060	Not available	Not available

4. FIRST AID MEASURES

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

Skin contact: Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.

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

Ingestion: If swallowed, rinse mouth. 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: Use dry chemical, CO2, water spray or "alcohol" foam.

Specific hazards: Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.

Unusual hazards: Corrosive material (See sections 8 and 10).

FINAL STEP SANITIZER

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5. FIRE-FIGHTING MEASURES

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
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1900 mg/m ³ (TWA) 1000 ppm (TWA)	1000 ppm (TWA) 1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	7	Dilution pH:	7 @ 1:2500
Appearance:	Liquid	Vapor density:	No information available
Color:	Clear Red	Evaporation Rate	No information available
Odor:	Quaternary	Boiling point/range:	Not determined
Specific gravity:	0.96	Melting point/range:	Not determined
Density:	8.00 lbs/gal Kg/L	Decomposition temperature:	Not determined
VOC:	6.25% *	Autoignition temperature:	No information available
Flash point:	117°F 47.2°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% 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: Corrosive Oral LD50 estimated to be between 500 - 2000 mg/kg

Component information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known

11. TOXICOLOGICAL INFORMATION

Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

Hazardous ingredients

Ingredient(s)	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5	X		X

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

Pesticide Storage:

Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke

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), Europe (EINECS/ELINCS/NLP), New Zealand (NZIoC), China (IECSC).

U.S. Regulations

EPA Reg. No.: T0324-96

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

CERCLA/ SARA**SARA 311/312 Hazard Categories**

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

16. OTHER INFORMATION

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

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