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SECTION: 1. Product and company identification

1.1.Product identifier

Trade name/designation : James Stainwonder
Product code : 4750.0_76068RT82

1.2.Relevant identified uses of the substance or mixture and uses advised against

Main use category : Consumer use,Professional uses
Specific end use(s) : Detergent

1.3.Details of the supplier of the safety data sheet

Company : James North America LLC
200 East Randolph Street
Suite 5100-38
Chicago, Illinois 60601
Telephone 1-312-436-0437
E-mail: info@jamescleaner.com

1.4.Emergency telephone number

Emergency telephone : US: 1-800-222-1222
Canada - Alberta: 1-800-332-1414
Canada - British Columbia: 1-800-567-8911
Canada - Manitoba: 1-855-776-4766
Canada - New Brunswick: 911
Canada - Newfoundland and Labrador: 1-866-727-1110
Canada - Northwest Territories: 1-800-332-1414
Canada - Nova Scotia: 1-800-565-8161
Canada - Nunavut: 1-800-268-9017
Canada - Ontario: 1-800-268-9017
Canada - Prince Edward Island: 1-800-565-8161
Canada - Quebec: 1-800-463-5060
Canada - Saskatchewan: 1-866-454-1212
Canada - Yukon: 1-867-393-8700

SECTION: 2. Hazards identification

2.1.Classification of the substance or mixture

OSHA Regulatory Status : This material is classified as not hazardous under OSHA regulations.

2.2.Label elements


Precautionary statements (GHS US) : Keep out of reach of children.

2.3.Other hazards

Other hazards which do not result in classification : Repeated exposure may cause skin dryness or cracking

SECTION: 3. Composition/Information on ingredients

Substance name	CAS-No.	%
Hydrogen peroxide	7722-84-1	1 - 5

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SECTION: 4. First aid measures

4.1. Description of first aid measures

Inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician
Skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician
Eye contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Rinse mouth thoroughly with water. Obtain emergency medical attention Do not induce vomiting without medical advice
First-aid measures general	: First aider: Pay attention to self-protection! Concerning personal protective equipment to use, see item 8 Never give anything by mouth to an unconscious person In case of doubt or persistent symptoms, consult always a physician Show this safety data sheet to the doctor in attendance. Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: irritation of mucous membranes Inhalation may cause irritation (cough, short breathing, difficulty in breathing) Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Skin contact	: May cause slight irritation to the skin Not expected to present a significant skin hazard.
Eye contact	: May cause slight irritation to eyes.
Symptoms/injuries after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION: 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray
For safety reasons unsuitable extinguishing agents	: Strong water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Explosive when mixed with combustible material Oxidizing Contents: may intensify fire
Specific hazards	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries

5.3. Advice for firefighters

Advice for firefighters	: Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation Evacuate personnel to a safe area
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SECTION: 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel :
- Evacuate personnel to a safe area
 - Stay upwind/keep distance from source.
 - Provide adequate ventilation
 - Use personal protective equipment as required.
 - Concerning personal protective equipment to use, see item 8
 - Do not breathe vapor/aerosol
 - Avoid contact with skin, eyes and clothing
 - Do not allow to enter into surface water or drains
 - Notify authorities if product enters sewers or public waters
- For emergency responders :
- Ensure procedures and training for emergency decontamination and disposal are in place
 - Concerning personal protective equipment to use, see item 8.

6.2. Methods and material for containment and cleaning up

- Spill or leak statements by chemical :
- Stop leak if safe to do so.
 - Dam up the liquid spill.


SECTION: 7. Handling and storage

7.1. Precautions for safe handling

- Handling :
- Provide adequate ventilation
 - Use personal protective equipment as required.
 - Concerning personal protective equipment to use, see item 8
 - Do not breathe vapor/aerosol
 - Avoid contact with skin, eyes and clothing
 - Take any precaution to avoid mixing with incompatible materials.
 - See also section 10
 - Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time).
 - Do not allow contact with soil, surface or ground water.
- Advices on general occupational hygiene :
- Keep good industrial hygiene
 - Wash hands before breaks and immediately after using the product.
 - When using do not eat, drink or smoke.
 - Keep away from food, drink and animal feedingstuffs
 - Keep work clothes separately.
 - Take off contaminated clothing.
 - Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage :
- Keep in a dry, cool and well-ventilated place.
 - Do not store near or with any of the incompatible materials listed in section 10.
 - Bund storage facilities to prevent soil and water pollution in the event of spillage.
 - Protect from freezing
 - Incompatible with strong acids and bases.
 - Incompatible with : sources of ignition, direct sunlight, heat sources, combustible materials
- Packaging materials :
- Keep/Store only in original container.

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SECTION: 8. Exposure controls/personal protection

8.1. Exposure guidelines

Hydrogen peroxide (7722-84-1)		
ACGIH	ACGIH TWA (ppm)	1 ppm
IDLH	US IDLH (ppm)	75 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1,4 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1,4 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
Québec	VEMP (mg/m ³)	1,4 mg/m ³
Québec	VEMP (ppm)	1 ppm

8.2. Engineering controls

- Engineering measure(s) : Provide adequate ventilation
Organizational measures to prevent /limit releases, dispersion and exposure
Safe handling: see section 7 .
- Environmental exposure controls : Do not allow contact with soil, surface or ground water.
Comply with applicable environmental protection legislation.


8.3. Personal protective equipment (PPE)

- Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Wear a half mask respirator, NIOSH certified.
Wear a full face respirator, NIOSH certified.
Filter type: ABEK
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)
- Hand protection : Wear chemically resistant gloves. Suitable material: butyl-, natural-, neoprene, nitril rubber The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- Eye protection : Use suitable eye protection. (EN166)
- Body protection : Wear suitable protective clothing.
- Thermal hazard protection : Not required for normal conditions of use
Use dedicated equipment.

SECTION: 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance : Liquid,liquid
- Color : Colorless,clear
- Odor : perfumed
- Odor threshold : No data available
- pH : 6,4 (20°C)
- Melting / freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : > 140 °F

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Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Upper / lower flammability or explosive limits	: No data available
Vapor pressure	: No data available
Vapor density	: 1,021 g/cm ³ (20°C)
Relative density	: No data available
Water solubility	: Material highly soluble in water. Completely soluble
Solubility in different media	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Oxidizing properties	: May cause fire or explosion; strong oxidiser.

SECTION: 10. Stability and reactivity

10.1. Reactivity

Reactivity : Reference to other sections: 10.4 & 10.5

10.2. Chemical stability

Chemical stability : The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : None under normal processing.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight
Extremely high or low temperatures
Heat
Sparks
Overheating
Open flame
Safe handling: see section 7

10.5. Incompatible materials

Incompatible materials : Safe handling: see section 7

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition generates : fume, Carbon monoxide, Carbon dioxide Reference to other sections: 5.2

SECTION: 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

James Stainwonder	
LD50 dermal rat	> 2000 mg/kg
Hydrogen peroxide (7722-84-1)	
LD50 oral rat	1518 mg/kg
LD50 dermal rabbit	9200 mg/kg
LC50 inhalation rat (mg/l)	2000 mg/m ³ (Exposure time: 4 h)

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Skin corrosion/irritation : Not classified
pH: 6,4 (20°C)

Serious eye damage/irritation : Not classified
pH: 6,4 (20°C)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Hydrogen peroxide (7722-84-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Other information : Symptoms related to the physical, chemical and toxicological characteristics.
For further information see section 4.

SECTION 12: Ecological information

12.1.Toxicity

Toxicity : According to the criteria of the EC-classification and labeling "dangerous for the environment" (93/21/EEC) the material/product is not to be classified as dangerous to the environment.

James Stainwonder	
LC50 fish 1	16,4 mg/l (96, Pimephales promelas)
EC50 Daphnia 1	7 - 8 mg/l (24h)
EC50 other aquatic organisms 1	1,6 - 5 mg/l (Algae, 72h)

Hydrogen peroxide (7722-84-1)	
LC50 fish 1	16,4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	7,7 mg/l EC50 24h - Daphnia magna [mg/l]
NOEC (chronic)	0,63 mg/l Daphnia magna (Big water flea)
NOEC chronic fish	Daphnia magna (Big water flea)

12.2.Persistence and degradability

Persistence and degradability : No data available

12.3.Bioaccumulative potential

Bioaccumulative potential : No data available

Partition coefficient n-octanol/water : No data available

12.4.Mobility in soil

Mobility in soil : No data available

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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product waste: : Do not allow contact with soil, surface or ground water.
 Dispose of empty containers and wastes safely
 Safe handling: see section 7
 Refer to manufacturer/supplier for information on recovery/recycling.
 Recycling is preferred to disposal or incineration
 If recycling is not possible, eliminate in accordance with local valid waste disposal regulations

Contaminated packaging : Handle contaminated packages in the same way as the substance itself.
 Dispose of contaminated materials in accordance with current regulations

SECTION 14: Transport information

Not regulated for transport

SECTION: 15. Regulatory information

15.1. US Federal regulations

Hydrogen peroxide (7722-84-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302

SARA Section 302 Threshold Planning 1000 lb (concentration >52%)

Quantity (TPQ)

15.2. International regulations

15.2.1. CANADA

Hydrogen peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class C - Oxidizing Material

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Class E - Corrosive Material

15.2.2. National regulations

Hydrogen peroxide (7722-84-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)


Japanese Poisonous and Deleterious Substances Control Law

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

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Hydrogen peroxide (7722-84-1)


U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

Hydrogen peroxide (7722-84-1)

- U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
- U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
- U.S. - Delaware - Accidental Release Prevention Regulations - Sufficient Quantities
- U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
- U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
- U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
- U.S. - Idaho - Occupational Exposure Limits - TWAs
- U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
- U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
- U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
- U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
- U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
- U.S. - Massachusetts - Right To Know List
- U.S. - Michigan - Occupational Exposure Limits - TWAs
- U.S. - Michigan - Process Safety Management Highly Hazardous Chemicals
- U.S. - Minnesota - Hazardous Substance List
- U.S. - Minnesota - Permissible Exposure Limits - TWAs
- U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
- U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
- U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
- U.S. - New Jersey - Environmental Hazardous Substances List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - New Jersey - Special Health Hazards Substances List
- U.S. - New York - Occupational Exposure Limits - TWAs
- U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
- U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
- U.S. - Oregon - Permissible Exposure Limits - TWAs
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. - Tennessee - Occupational Exposure Limits - TWAs
- U.S. - Texas - Effects Screening Levels - Long Term
- U.S. - Texas - Effects Screening Levels - Short Term
- U.S. - Vermont - Permissible Exposure Limits - TWAs
- U.S. - Washington - Permissible Exposure Limits - STELs
- U.S. - Washington - Permissible Exposure Limits - TWAs
- U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
- U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet
- U.S. - Wyoming - Process Safety Management - Highly Hazardous Chemicals

SECTION: 16. Other information

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Abbreviations and acronyms

- : ABM = Algemene beoordelingsmethodiek
- ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
- ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
- CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods Code
- LEL = Lower Explosive Limit/Lower Explosion Limit
- UEL = Upper Explosion Limit/Upper Explosive Limit
- REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
- BTT = Breakthrough time (maximum wearing time)
- DMEL = Derived Minimal Effect level
- DNEL = Derived No Effect Level
- EC50 = Median Effective Concentration
- EL50 = Median effective level
- ErC50 = EC50 in terms of reduction of growth rate
- ErL50 = EL50 in terms of reduction of growth rate
- EWC = European waste catalogue
- LC50 = Median lethal concentration
- LD50 = Median lethal dose
- LL50 = Median lethal level
- NA = Not applicable
- NOEC = No observed effect concentration
- NOEL: no-observed-effect level
- NOELR = No observed effect loading rate
- NOAEC = No observed adverse effect concentration
- NOAEL = No observed adverse effect level
- N.O.S. = Not Otherwise Specified
- OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
- PNEC = Predicted No Effect Concentration
- Quantitative structure-activity relationship (QSAR)
- STOT = Specific Target Organ Toxicity
- TWA = time weighted average
- VOC = Volatile organic compounds
- WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Training advice

- : Training staff on good practice. Normal use of this product shall imply use in accordance with the instructions on the packaging.

NFPA-code

NFPA health hazard

- : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

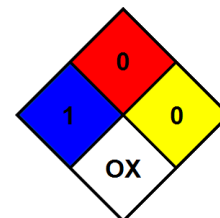
- : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

- : 0 - Material that in themselves are normally stable, even under fire conditions.

NFPA specific hazard

- : OX - Materials that posses oxidizing properties.



Hazard Rating

Health

- : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

- : 0 Minimal Hazard


Physical

- : 0 Minimal Hazard

Personal protection

- : G

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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