	SAFETY DATA SHEET		Page : 1 / 9
			Revision nr : 2
	James Water		Issue date : 31/07/2019
			Supersedes : 04/01/2019

SECTION: 1. Product and company identification

1.1.Product identifier

Trade name/designation : James Water
Product code : 4750.0_76068RT87

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

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.	%
1-propoxypropan-2-ol	1569-01-3	5 - 9,9

	SAFETY DATA SHEET	Page : 2 / 9
		Revision nr : 2
	James Water	Issue date : 31/07/2019
		Supersedes : 04/01/2019

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 gastrointestinal irritation, nausea, vomiting and diarrhea.

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	: Sand Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder
For safety reasons unsuitable extinguishing agents	: Strong water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard	: May cause fire. Explosive when mixed with combustible material Oxidizing
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
-------------------------	---

	SAFETY DATA SHEET	Page : 3 / 9
		Revision nr : 2
	James Water	Issue date : 31/07/2019
		Supersedes : 04/01/2019

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.
- Packaging materials :
- Keep/Store only in original container.
 - Incompatible with : Sources of ignition. Direct sunlight. Heat sources.
 - Combustible materials.

SECTION: 8. Exposure controls/personal protection

8.1. Exposure guidelines

	SAFETY DATA SHEET	Page : 4 / 9
		Revision nr : 2
	James Water	Issue date : 31/07/2019
		Supersedes : 04/01/2019

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
- Color : Colorless, clear
- Odor : perfumed
- Odor threshold : No data available
- pH : 7,3 (20°C)
- Melting / freezing point : No data available
- Initial boiling point and boiling range : ≥ 212 °F No data available
- Flash point : > 140 °F
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable
- Upper / lower flammability or explosive limits : No data available
- Vapor pressure : No data available
- Vapor density : 0,998 g/cm³
- Relative density : No data available
- 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

	SAFETY DATA SHEET	Page : 5 / 9
		Revision nr : 2
	James Water	Issue date : 31/07/2019
		Supersedes : 04/01/2019

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 Water	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
1-propoxypropan-2-ol (1569-01-3)	
LD50 oral rat	2800 mg/kg
LD50 dermal rabbit	3550 mg/kg

Skin corrosion/irritation : Not classified
pH: 7,3 (20°C)

Serious eye damage/irritation : Not classified
pH: 7,3 (20°C)


Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

	SAFETY DATA SHEET	Page : 6 / 9
		Revision nr : 2
	James Water	Issue date : 31/07/2019
		Supersedes : 04/01/2019

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 Water	
LC50 fish 1	> 100 mg/l (96h, Oncorhynchus mykiss)
EC50 Daphnia 1	> 100 mg/l (48h)
EC50 other aquatic organisms 1	1,466 mg/l (Algae, 96h, Selenastrumcapricornutum)
LC50 other aquatic organisms 2	1466 mg/l IC50 alga (72h)

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

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

1-propoxypropan-2-ol (1569-01-3)

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

	SAFETY DATA SHEET		Page : 7 / 9
			Revision nr : 2
	James Water		Issue date : 31/07/2019
			Supersedes : 04/01/2019

15.2. International regulations

15.2.1. CANADA

1-propoxypropan-2-ol (1569-01-3)

Listed on the Canadian DSL (Domestic Substances List)

15.2.2. National regulations

1-propoxypropan-2-ol (1569-01-3)

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)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations


1-propoxypropan-2-ol (1569-01-3)

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	

SECTION: 16. Other information

Issue date : 31/07/2019

Supersedes : 04/01/2019

	SAFETY DATA SHEET		Page : 8 / 9
			Revision nr : 2
	James Water		Issue date : 31/07/2019
			Supersedes : 04/01/2019

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

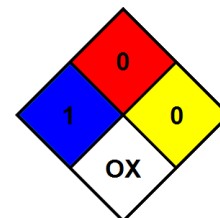
NFPA health hazard

NFPA fire hazard

NFPA reactivity

NFPA specific hazard

: 1 - Materials that, under emergency conditions, can cause significant irritation.
 : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
 : 0 - Material that in themselves are normally stable, even under fire conditions.
 : OX - Materials that possess oxidizing properties.



Hazard Rating


Health

Flammability

Physical

Personal protection

: 1 Slight Hazard - Irritation or minor reversible injury possible
 : 0 Minimal Hazard
 : 0 Minimal Hazard
 : G

	SAFETY DATA SHEET		Page : 9 / 9
			Revision nr : 2
			Issue date : 31/07/2019
			Supersedes : 04/01/2019
	James Water		

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.