

RapidOx Base

Preparation Date: 19-Nov-2025

Revision Date: 06-Jan-2026

SAFETY DATA SHEET

Revision Number: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name RapidOx Base

Other means of identification

Item#: 4203

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Teat dip concentrate, Restricted to professional users

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Manufacturing
11100 N. Congress Ave.
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Corrosive to metals	Category 1

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful in contact with skin

Causes damage to organs through prolonged or repeated exposure
(Respiratory, Kidney, and Blood Systems)

May cause damage to Renal system (Kidneys), and Blood system through prolonged or repeated exposure

May be corrosive to metals



Appearance Clear Colorless	Physical state Liquid	Odor Mild Chlorine
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Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair):. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up
 Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Water	7732-18-5	90 - 100
Sodium chlorite	7758-19-2	1 - 10
Tetrasodium EDTA	64-02-8	<1

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Remove and wash contaminated clothing before re-use. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Treat symptomatically. Get medical attention if symptoms occur.
Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of First-aiders	If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Most important symptoms and effects, both acute and delayed**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known.

Specific hazards arising from the chemical

Not flammable or combustible.

Hazardous Combustion Products

Decomposition products may include the following materials: Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Oxides of phosphorus

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health hazards 3

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

For product spills, only water should be used for cleanup. Immediately dilute the material with plenty of water. This product becomes a fire hazard if allowed to dry. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. Keep material wet with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials

Acids, organic materials, reduction agents, oxidizing agents, light metals (e.g. aluminum, copper, brass, zinc galvanized)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Appropriate engineering controls

Engineering Controls Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Individual protection measures, such as personal protective equipment

Eye/face Protection Tightly fitting safety goggles. Face-shield.

Skin and body protection Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Wear protective gloves/protective clothing/eye protection/face protection.

Respiratory Protection Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild Chlorine
Appearance	Clear Colorless	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	11.6	
Melting point/freezing point	-10 to -3 °C 14 to 27 °F	
Boiling Point/Range	No information available	
Flash Point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	1.055	
Water Solubility	soluble	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	

Other information

Liquid Density No information available

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Mixing this product with acid or ammonia releases chlorine gas.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Acids, organic materials, reduction agents, oxidizing agents, light metals (e.g. aluminum, copper, brass, zinc galvanized)

Hazardous decomposition products

Carbon oxides. nitrogen oxides (NOx). Sulphur oxides. oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure Inhalation, Eye contact, Skin contact

Information on likely routes of exposure

Eyes Causes serious eye damage.
Skin Causes severe skin burns.
Ingestion Ingestion causes burns of the upper digestive and respiratory tracts.
Inhalation May cause nose, throat, and lung irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause damage to organs through prolonged or repeated exposure.
Mutagenic effects Product is not identified as a mutagen according to OSHA regulations.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium chlorite 7732-18-5	Not Listed	Group 3	Not Listed	Not Listed

IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable

Reproductive Effects Product is not identified as having reproductive effects according to OSHA regulations.
STOT - single exposure No information available. Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water 7732-18-5	> 90 mL/kg (Rat)	No data available	No data available
Sodium chlorite 7758-19-2	284 mg/kg (Rat)	134 mg/kg (Rabbit)	No data available
Tetrasodium EDTA	1658 mg/kg (Rat)	No data available	1.5 mg/L (ATE - D/M)

64-02-8			
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7.1% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium chlorite 7758-19-2	No data available	100 - 500: 96 h Brachydanio rerio mg/L LC50 static 100: 96 h Lepomis macrochirus mg/L LC50 static 100: 96 h Oncorhynchus mykiss mg/L LC50 static	No data available	0.012 - 0.018: 48 h Daphnia magna mg/L EC50 Static 0.25 - 0.33: 48 h Daphnia magna mg/L EC50 Flow through 0.026: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	No data available	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	No data available	No data available

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method

The product should not be allowed to enter drain, water courses or the soil. Dispose of in accordance with local regulations. Dispose of wastes in an approved waste disposal facility.

Contaminated Packaging

Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

UN-No	UN1908
Proper Shipping Name	Chlorite Solution
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium chlorite 7758-19-2	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

Preparation Date: 19-Nov-2025

Revision Date: 06-Jan-2026

Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS