

# RapidOx Activator

# SAFETY DATA SHEET

Preparation Date: 02-Jun-2025

Revision Date: 02-Dec-2025

Revision Number: 2

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

### Product Identifier

**Product Name** RapidOx Activator

### Other means of identification

**Item#:** 4204  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Teat disinfectant  
**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)

Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1

### Label Elements

#### Emergency Overview

**DANGER**

### Hazard Statements

Causes severe skin burns and eye damage



**Appearance** Clear, Colorless

**Physical state** Liquid

**Odor** Mild, Alcohol

### Precautionary Statements - Prevention

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

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

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.

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.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Lactic acid	50-21-5	10 - 20

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**4. FIRST AID MEASURES****Description of first-aid measures**

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed**

Causes severe skin burns and eye damage.

**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**

No information available.

**Specific hazards arising from the chemical**

No information available.

**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** 2**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**

Soak up with inert absorbent material.

**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 container tightly closed in a dry and well-ventilated place.

**Incompatible Materials**

strong oxidizing agents, strong acids, strong bases

**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**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Safety glasses with side-shields.

**Skin and body protection**

Wear protective gloves and protective clothing.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild, Alcohol
<b>Appearance</b>	Clear, Colorless	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	1.6 - 1.7		
Melting point/freezing point	-3 to -10 °C / 27 to 14 °F		
Boiling Point/Range	No information available		
Flash Point	No information available	Does not sustain combustion	
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	1.031		
Water Solubility	Miscible with water		
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	2 cPs		

**Other information**

Liquid Density 1.028 g/mL

**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**

None known.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

strong oxidizing agents, strong acids, strong bases

**Hazardous decomposition products**

None known.

**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 skin burns.

**Ingestion** Ingestion may cause irritation to mucous membranes.  
**Inhalation** May cause irritation of respiratory tract.

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

**Skin Corrosion/Irritation** Causes severe burns.  
**Serious eye damage/eye irritation** Causes serious eye damage.  
**Sensitization** Product is not identified as a sensitizer according to OSHA regulations.  
**Mutagenic effects** Product is not identified as a mutagen according to OSHA regulations.  
**Carcinogenicity** Product is not identified as a carcinogen according to OSHA regulations.

**Reproductive Effects** Product is not identified as having reproductive effects according to OSHA regulations.  
**STOT - single exposure** Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.  
**STOT - repeated exposure** Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.  
**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
Lactic acid 50-21-5	= 3543 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 7.94 mg/L ( Rat ) 4 h

17.5% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

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

**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** Dispose of in accordance with local regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT**

UN-No	3265
Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s ( Lactic Acid )
Hazard Class	8
Packing Group	III

**15. REGULATORY INFORMATION**

State Regulations

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. OTHER INFORMATION**

Preparation Date:	02-Jun-2025
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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**