

# DeLasan MP

# SAFETY DATA SHEET

Preparation Date: 02-Nov-2007

Revision Date: 13-Dec-2018

Revision Number: 7

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

### Product Identifier

**Product Name** DeLasan MP

### Other means of identification

**Item#:** 1771

**Synonyms** None

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

**Recommended use** Restricted to professional users, Antimicrobial solution for meat and poultry

**Uses advised against** All other

### Details of the supplier of the safety data sheet

**Supplier** DeLaval Cleaning Solutions  
11100 N. Congress Ave.  
Kansas City, MO 64153  
Tel: 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 - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Oxidizing liquids	Category 2
Corrosive to metals	Category 1
Organic peroxides	Type F

### Label Elements

#### **Emergency Overview**

**DANGER**

#### **Hazard Statements**

Causes severe skin burns and eye damage

Harmful if swallowed

Harmful in contact with skin

May intensify fire; oxidizer

May be corrosive to metals

Heating may cause a fire

**Appearance** Clear Colorless**Physical state** Liquid**Odor** vinegar-like**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep/Store away from clothing/ combustible materials  
 Do not eat, drink or smoke when using this product  
 Keep only in original container  
 Take any precaution to avoid mixing with combustibles

**Precautionary Statements - Response**

Specific treatment (see First Aid on this label)  
 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. 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.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 Absorb spillage to prevent material damage.

**Precautionary Statements - Storage**

Store in corrosive resistant container with a resistant inner liner

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local regulation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Hydrogen peroxide	7722-84-1	5.0-6.0
Acetic acid	64-19-7	40 - 50
Peracetic acid	79-21-0	15

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**

<b>Eye contact</b>	In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Call a physician immediately.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 30 minutes. Consult a physician.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison

Control Center immediately.

**Ingestion**

Rinse mouth. Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

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

The product causes burns of eyes, skin and mucous membranes. 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**

Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>), Water spray, sand.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Decomposition will release oxygen which may increase the intensity of a fire. May cause fire and explosions when in contact with incompatible materials. May give off irritating or toxic fumes (or gases) in a fire.

**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** 1

**Instability** 1

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with the skin and the eyes. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Avoid release to the environment.

**Methods and material for containment and cleaning up**

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). DO NOT use combustible materials such as sawdust. Never return spills to original containers for re-use.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling****Handling**

Keep away from clothing and other combustible materials. Wear personal protective equipment. Ensure adequate ventilation.

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

Keep container tightly closed in a dry and well-ventilated place. Store in a receptacle equipped with a vent. Store in upright position only. Keep away from direct sunlight. Do not store near combustible materials. Store at temperatures not exceeding 30°C/ 86°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Other than for transportation, it is recommended NOT to store this product on wooden pallets. Follow all

local storage code requirements. Store in corrosive resistant container with a resistant inner liner.

**Incompatible Materials** Reactive with: bases, metals, reducing agents, combustible material.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

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

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	75 ppm
Acetic acid 64-19-7	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup>	50 ppm
Peracetic acid 79-21-0	STEL: 0.4 ppm		-

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

- Eye/face Protection** Goggles. Face-shield.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory Protection** In case of inadequate ventilation wear respiratory protection. Self contained breathing apparatus.

**General Hygiene Considerations** Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	vinegar-like
<b>Appearance</b>	Clear Colorless	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	>1 (1:10)		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	> 93 °C / > 200 °F		
Evaporation rate	No information available		
Flammability (solid, gas)	Non flammable		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	25 mm Hg @ 25C		
Vapor Density	No information available		
Specific Gravity	1.11		
Water Solubility	soluble		

<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition Temperature</b>	>270 °C / >518 °F
<b>Decomposition temperature</b>	No information available
<b>Viscosity of Product</b>	5-15 sCt at 20C/68F
<b>Dynamic viscosity</b>	No information available

**Other information**

**Liquid Density** 1.11 g/mL

## 10. STABILITY AND REACTIVITY

**Reactivity**

Reactive with: oxidizing agents, reducing agents, organic materials, metals, bases, alkalis.

**Chemical Stability**

Stable up to approximately 30 °C / 86°F. Decomposes on heating.

**Possibility of hazardous reactions**

May react with incompatible materials.

**Conditions to Avoid**

Extremes of temperature and direct sunlight. Protect from contamination.

**Incompatible Materials**

Reactive with: bases, metals, reducing agents, combustible material.

**Hazardous decomposition products**

Decomposition will release oxygen which may increase the intensity of a fire.

## 11. TOXICOLOGICAL INFORMATION

**Principal Routes of Exposure** Eye contact, Skin contact, Ingestion, Inhalation

**Information on likely routes of exposure**

<b>Eyes</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin</b>	Corrosive to skin. Causes burns.
<b>Ingestion</b>	Corrosive. Ingestion causes burns of the upper digestive and respiratory tracts.
<b>Inhalation</b>	May cause pulmonary edema and shortness of breath.

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

<b>Sensitization</b>	Product is not identified as a sensitizer according to OSHA regulations.
<b>Mutagenic effects</b>	Product is not identified as a mutagen according to OSHA regulations.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide 7722-84-1	A3	Group 3	Not Listed	Not Listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Confirmed animal carcinogen with unknown relevance to humans*

*IARC (International Agency for Research on Cancer)*

*Group 3 - Not classifiable*

<b>Reproductive Effects</b>	Product is not identified as having reproductive effects according to OSHA regulations.
<b>STOT - single exposure</b>	Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.
<b>STOT - repeated exposure</b>	Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.
<b>Aspiration Hazard</b>	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
Hydrogen peroxide 7722-84-1	= 1518 mg/kg ( Rat )	= 9200 mg/kg ( Rabbit )	= 2000 mg/m <sup>3</sup> ( Rat ) 4 h
Acetic acid 64-19-7	= 3310 mg/kg ( Rat )	= 1060 mg/kg ( Rabbit )	= 11.4 mg/L ( Rat ) 4 h
Peracetic acid 79-21-0	9-203 mg/kg ( Rat )	12000 mg/kg ( Rat ) 56-226 mg/kg ( Rabbit )	76 -> 241 mg/l (rat)

0% 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
Hydrogen peroxide 7722-84-1	2.5: 72 h Chlorella vulgaris mg/L EC50	10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static	No data available	18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50
Acetic acid 64-19-7	> 300 mg/l	> 300 mg/l	EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min EC50 = 8.8 mg/L 5 min	65: 48 h Daphnia magna mg/L EC50 Static 47: 24 h Daphnia magna mg/L EC50
Peracetic acid 79-21-0	EC50 = 0.18-1.0 mg/l (48h)	LC50 = 0.9-2.0 mg/l (96h)	No data available	EC50 = 0.5-0.1 mg/l (48h)

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulation/Accumulation**

Not likely to bioaccumulate.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Waste Disposal Method**

Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated Packaging**

Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT**

<b>UN-No</b>	3109
<b>Proper Shipping Name</b>	Organic Peroxide, Type F, Liquid ( ≤25% peracetic acid with ≤26% hydrogen peroxide )
<b>Hazard Class</b>	5.2
<b>Subsidiary Class</b>	8
<b>Packing Group</b>	II

**15. REGULATORY INFORMATION****Superfund Amendments and Reauthorization Act of 1986 (SARA) - Section 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Peracetic acid (CAS# 79-21-0)

## State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Hydrogen peroxide 7722-84-1	X	X	X
Acetic acid 64-19-7	X	X	X
Peracetic acid 79-21-0	X	X	X

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. OTHER INFORMATION**

Preparation Date: 02-Nov-2007

Revision Date: 13-Dec-2018

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**