

# Iodozyme Liquid

# SAFETY DATA SHEET

Preparation Date: 26-Nov-2007

Revision Date: 18-Dec-2024

Revision Number: 7

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

### Product Identifier

**Product Name** Iodozyme Liquid

### Other means of identification

**Item#:** 0145

**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)

Serious eye damage/eye irritation

Category 2A

### Label Elements

### Emergency Overview

#### WARNING

#### Hazard Statements

Causes serious eye irritation



**Appearance** Brown

**Physical state** Liquid

**Odor** No information available

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If

eye irritation persists: Get medical advice/attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name                                       | CAS No     | Weight-% |
|---|------------|----------|
| D-Glucopyranose, oligomeric, decyl octyl glycosides | 68515-73-1 | 1 - 10   |
| Iodine  | 7553-56-2  | 2.9      |
| Glycerol  | 56-81-5    | 60.3     |

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>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention. |
| <b>Skin contact</b> | Wash off with plenty of water.   |
| <b>Inhalation</b>   | Move to fresh air. Get medical attention immediately if symptoms occur.  |
| <b>Ingestion</b>    | Call a physician or Poison Control Center immediately.   |

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

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

#### 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.

**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** 1                      **Flammability** 0                      **Instability** 0

### 6. ACCIDENTAL RELEASE MEASURES

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

Avoid contact with eyes.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

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

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

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

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

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

**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.

| Chemical name       | ACGIH TLV                      | OSHA PEL   | NIOSH IDLH |
|---------------------|--------------------------------|--|------------|
| Iodine<br>7553-56-2 | TWA: 0.01 ppm<br>STEL: 0.1 ppm | Ceiling: 0.1 ppm<br>Ceiling: 1 mg/m <sup>3</sup>                                   | 2 ppm      |
| Glycerol<br>56-81-5 |                                | TWA: 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>TWA: 15 mg/m <sup>3</sup> | -          |

**Appropriate engineering controls**

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

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

**Eye/face Protection** If splashes are likely to occur, wear: Safety glasses with side-shields.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**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>           | No information available |
| <b>Appearance</b>     | Brown  | <b>Odor Threshold</b> | No information available |

| <u>Property</u>                           | <u>Values</u>            | <u>Remarks/ Method</u> |
|---|--------------------------|------------------------|
| pH  | 3 - 4                    |                        |
| Melting point/freezing point              | No information available |                        |
| 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                          | 1.2                      |                        |
| Water Solubility                          | soluble                  |                        |
| Partition coefficient:<br>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 10.0 lb/gal

**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** Eye contact, Ingestion

**Information on likely routes of exposure**

**Eyes** Contact with eyes may cause irritation.  
**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

**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**  
**STOT - single exposure**

Product is not identified as having reproductive effects according to OSHA regulations.  
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                    |
|---|-------------------|--|------------------------------------|
| D-Glucopyranose, oligomeric, decyl octyl glycosides<br>68515-73-1 | No data available | > 2000 mg/kg ( Rabbit )                            | No data available                  |
| Iodine<br>7553-56-2   | 14000 mg/kg (Rat) | = 1425 mg/kg ( Rabbit )<br>> 2000 mg/kg ( Rabbit ) | 137 ppm = 4,588 mg/L 4h dust (rat) |
| Glycerol<br>56-81-5   | 12600 mg/kg (Rat) | 21900 mg/kg (Rat)                                  | > 2.75 mg/L (Rat) 4h               |

57.4% 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                |
|---|----------------------|--|-------------------|--------------------------|
| D-Glucopyranose, oligomeric, decyl octyl glycosides<br>68515-73-1 | No data available    | 170: 96 h Danio rerio mg/L<br>LC50 semi-static     | No data available | No data available        |
| Iodine<br>7553-56-2   | EC = 0.13 mg/L       | LC50 (96 h)<br>0.53 mg/L                           | No data available | LC50 (48 h)<br>0.16 mg/L |
| Glycerol<br>56-81-5   | No data available    | 51 - 57: 96 h Oncorhynchus mykiss mL/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**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

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

**14. TRANSPORT INFORMATION**

DOT Not regulated

IATA/CAO Not regulated

## 15. REGULATORY INFORMATION

### State Regulations

| Chemical name       | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------|---------------|--------------|
| Iodine<br>7553-56-2 | X          | X             | X            |
| Glycerol<br>56-81-5 | X          | X             | X            |

### U.S. EPA Label information

EPA Pesticide registration number Not applicable

## 16. OTHER INFORMATION

Preparation Date: 26-Nov-2007

Revision Date: 18-Dec-2024

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**