

## SECTION 1 - IDENTIFICATION

**Product identifier/Trade name:** INO FIBER 16 HYDROGEN PEROXIDE STAIN REMOVER AND DEODORIZER

**Other means of identification:**

**Recommended use:** STAIN REMOVER AND DEODORIZER

**Restriction on use:** For industrial, institutional and food plants use only.

**Initial supplier identifier:** INO SOLUTIONS®  
C.P. 1932  
Montréal, QC. H1J 3A1  
Téléphone: 1.888.ino.solu (466-7658)

**Emergency phone number:** (613) 996-6666 (CANUTEC)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2a WHMIS 2015 - GHS (Globally Harmonized System) classification

This product is not classified.

### 2b Label elements

None

**Precautionary statement**

**Signal word:**

**Hazard statement**

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients                                  | CAS #     | % (weight) | GHS CLASSIFICATION                                       |
|--|-----------|------------|--|
| Sodium lauryl sulfate or Sodium coco-sulfate | 151-21-3  | 1-5        | Skin irritation 2; Eye irritation 2;<br>Acute toxicity 4 |
| Hydrogen peroxide                            | 7722-84-1 | 1-5        | At this concentration, not classified                    |

#### SECTION 4 - FIRST AID MEASURES

##### 4a Description of first aid measures

**Eye contact:**

Flush or rinse eyes with water after contact. If eye irritation persists, get medical advice.

**Skin contact:**

Rinse thoroughly with water. If irritation occurs, get medical advice.

**Inhalation:**

Remove person to fresh air.

**Ingestion:**

Rinse mouth with water. Never give anything by mouth if the person is unconscious.

##### 4b Most important symptoms and effects

**Eye:** May cause irritation, redness, tears, burning sensation.

**Skin:** May cause irritation. Contact with product may whiten skin for a few minutes.

**Inhalation:** Over-exposure by inhalation may cause respiratory irritation.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

##### 4c Immediate medical attention and special treatment needed

No special treatment

#### SECTION 5 - FIRE FIGHTING MEASURES

##### 5a Extinguishing media

Suitable extinguishing media:

Water (if possible avoid powerful sprays), foam, dry chemicals, carbon dioxide. Product itself is not flammable but it can generate oxygen when decomposing.

Unsuitable extinguishing media:

None known.

##### Specific hazards for product

Hazardous combustion products:

Oxides of carbon, nitrogen and other irritating gases.

##### Special protective equipment and precautions for firefighters

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

##### 6a Personal precautions, protective equipment and emergency procedures

Personal protection:

Avoid contact with eyes. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

**6b Methods and materials for containment and cleaning:**

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery.

**6c Environmental precautions:**

Product is biodegradable. Do not let large quantities go to the sewers.

**SECTION 7 - HANDLING AND STORAGE**

**7a Precautions for Safe handling:**

Avoid contact with eyes. When used as directed, no special precautions.

**7b Condition for safe storage:**

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

**7c Special packaging materials:** none.

No incompatibility with most materials found in most workplaces.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8a Control parameters**

|  | Ontario Time-weighted Average Limit (TWA) | Ontario Short-Term Exposure Limit (STEL) | Notations |
|--|---|--|-----------|
| Sodium lauryl sulfate or Sodium coco-sulfate | None established                          | None established                         |           |
| Hydrogen peroxide                            | 1 ppm                                     | None established                         |           |

**8b Engineering controls:**

Not required under normal applications.

**8c Individual protection measures**

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

In case of possible contact, wear rubber gloves. Waterproof boots for large spills.

Eye / face protection:

Not required under normal applications. In case of possible contact, wear safety glasses

General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes. Never eat, drink, or smoke in work areas.

Good hygiene is recommended after use of this product.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and odour:**

Colourless liquid with little odour.

**Odour threshold:**

N/Av

**pH :**

Approximately 5

**Melting point and freezing point:**

Approximately 0 °C

**Boiling point:**

Approximately 100 °C

|   |                               |
|---|-------------------------------|
| <b>Flash point:</b>                                       | None to boil                  |
| <b>Evaporation rate (n-BuAc =1):</b>                      | Approximately 0.4 (water)     |
| <b>Lower flammable limit (% by volume):</b>               | N/Av                          |
| <b>Upper flammable limit (% by volume):</b>               | N/Av.                         |
| <b>Explosion data - Sensitivity to mechanical impact:</b> | Not sensitive                 |
| <b>Explosion data - Sensitivity to static discharge:</b>  | Not sensitive                 |
| <b>Vapour pressure (mm Hg)</b>                            | Approximately 20 (water)      |
| <b>Vapour density:</b>                                    | Approximately 0.6 (water)     |
| <b>Specific gravity or density (water = 1 at 4 °C):</b>   | 1.0 g/cm <sup>3</sup> @ 20 °C |
| <b>Solubility in water:</b>                               | Miscible                      |
| <b>Partition coefficient – n-octanol/water:</b>           | Not available                 |
| <b>Auto-ignition temperature:</b>                         | Not available                 |
| <b>Decomposition temperature</b>                          | Not available                 |
| <b>Viscosity:</b>   | <100 cps @ 25 °C              |

## SECTION 10 - STABILITY AND REACTIVITY

### 10a Reactivity:

Not applicable when used as directed.

### 10b Chemical stability :

Stable at room temperature, in normal handling and storage conditions.

### 10c Possibility of hazardous reactions:

May react with strong alkalis and strong oxidizers.

### 10d Conditions to avoid:

Avoid contact with strong alkalis and strong reducing agents. Hydrogen Peroxide, a minor component of this product is a strong oxidizer. It is not flammable itself, but it can cause spontaneous combustion of flammable materials and continued support of the combustion because it liberates oxygen as it decomposes.

### 10e Incompatible materials

Strong alkalis and strong reducing agents. Flammable materials.

### 10f Hazardous decomposition products:

With strong acids: heat, water vapour. With strong reducing agents: water vapours and oxygen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Primary entry route(s):** Eye and ingestion.

**Eye:** May cause irritation, redness, tears, burning sensation.

**Skin:** May cause irritation. Contact may whiten skin for a few minutes.

**Inhalation:** Over-exposure by inhalation may cause respiratory irritation.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

### Carcinogenicity:

No ingredient listed by IARC as a possible carcinogen to humans.

### Teratogenicity, mutagenicity, other reproductive effects:

Mutagenic tests have been negative for ingredients

### Skin sensitization:

Ingredients not sensitizing as per OECD 406

### Respiratory tract sensitization:

Not available

### Synergistic materials:

Not available

### Other important hazards:

Not available

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 10,000 mg/Kg, oral, rat; our products are not tested on animals.

| Ingredient                                   | LD <sub>50</sub> (route, species)                     | LC <sub>50</sub> # hours (species) |
|--|---|------------------------------------|
| Sodium coco-sulfate or sodium lauryl sulfate | 1,288 mg/kg (oral, rat)                               | N/Av                               |
| Hydrogen peroxide                            | 694 mg/kg (oral, rat)<br>2,000 mg/kg (dermal, rabbit) | N/Av                               |

For more details, refer to Section 3.

**SECTION 12 - ECOLOGICAL INFORMATION**

**12a Ecotoxicity :**

| TOXICITY (Fish)       | Results                           | Exposure time | Method        |
|-----------------------|-----------------------------------|---------------|---------------|
| Sodium lauryl sulfate | Macrones Vittatus LC50: 1.39 mg/L | 96h           | ND            |
| Hydrogen peroxide     | Fish: 16.4 mg/L                   | 96H           | Not available |

| TOXICITY (Daphnia)    | Results         | Exposure time | Method           |
|-----------------------|-----------------|---------------|------------------|
| Sodium lauryl sulfate | EC50: 1.35 mg/L | 24H           | EPA-600/4-85/013 |
| Hydrogen peroxide     | EC50: 7.7 mg/L  | 48H           | Not available    |

| TOXICITY (Algae)      | Results   | Exposure time | Method        |
|-----------------------|---|---------------|---------------|
| Sodium lauryl sulfate | Selenastrum capricornutum<br>EC50 3.75 mg/l         | 8 DAYS        | NOT AVAILABLE |
| Hydrogen peroxide     | Selenastrum capricornutum<br>EC50 = 4,05-21,26 mg/l | 96H           | Not available |

**12b Persistence and degradability:** Product is expected to be readily biodegradable as per OECD 301.

**12c Bioaccumulation potential:** Not bio accumulating

**12d Mobility in soil:** There is no test data on this product.

**12e Other adverse effect** No applicable information found

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Eliminate according to federal, provincial and local regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) in Canada :**

Not regulated

UN number

Proper shipping name:

Class:

Identification number:

Packing group:

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Special case:

Not applicable

**SECTION 15 - REGULATORY INFORMATION**

**In Canada**

**WHMIS information:**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

**WHMIS 2015**

See section 2a

**Classification:**

**CEPA information:**

Ingredients are listed on the DSL inventory.

**SECTION 16 - OTHER INFORMATION**

**Date of latest revision** 2019-08-19

**References:**

1. Manufacturer'/suppliers' MSDS.
2. Occupational Exposure Limits for Ontario Workplaces required under Regulation 833.
3. International Agency for Research on Cancer Monographs
4. The European Chemicals Agency (ECHA) website.

**Abbreviations:**

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS   | Chemical Abstract Service                                 |
| CEPA  | Canadian Environmental Protection Act                     |
| cps   | Centipoises   |
| DSL   | Domestic Substance List                                   |
| HMIS  | Hazardous Material Information System                     |
| IARC  | International Agency for Research on Cancer               |
| LC    | Lethal concentration                                      |
| LD    | Lethal Dosage   |
| N/Av  | Not available   |
| N/Ap  | Not Applicable  |
| NFPA  | National Fire Protection Association                      |
| NIOSH | National Institute for Occupational Safety and Health     |
| NTP   | National Toxicology Program (U.S.A.)                      |
| OSHA  | Occupational Safety and Health Administration (U.S.A.)    |
| PEL   | Permissible Exposure Limit                                |
| TLV   | Threshold Limit Value                                     |
| WHMIS | Workplace Hazardous Materials Information System          |

End of the MSDS