

## SECTION 1 - IDENTIFICATION

**Product identifier/Trade name:** SEALPLUS

**Other means of identification:** Floor finish sealer

**Recommended use:** For industrial, institutional and food plants use only

**Restriction on use:**

**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 classified as a skin irritant category 2 and an eye irritant category 2B

### 2b Label elements



#### Pictogram

#### Precautionary statement

Wash hands thoroughly after handling. Wear eye protection. Wear rubber gloves.

**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.

**IF ON SKIN:** Wash with plenty water. If skin irritation occurs: get medical advice. Take off contaminated clothing and wash it before reuse.

#### Signal word:

#### Warning.

#### Hazard statement

Causes serious eye irritation. Causes skin irritation.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients                      | CAS #      | % (weight) | GHS CLASSIFICATION                                       |
|----------------------------------|------------|------------|----------------------------------------------------------|
| Diethyleneglycol monoethyl ether | 111-90-0   | 1-5        | Not classified                                           |
| Acrylate copolymer               | 25133-97-5 | 7-10       | Eye irritation, category 2<br>Skin irritation category 2 |
| Tributoxyethyl phosphate         | 78-51-3    | 1-5        | Not classified                                           |
| Ethyleneglycol                   | 107-21-1   | 1-5        | Acute oral toxicity, category 4                          |
| 2-Ethylhexylbenzoate             | 5444-75-7  | 1-5        | Not classified                                           |

#### SECTION 4 - FIRST AID MEASURES

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

###### Eye contact:

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.

###### Skin contact:

Wash with plenty water. If skin irritation occurs: get medical advice.

###### Inhalation:

No effect expected.

###### Ingestion:

Rinse mouth. Call a doctor if you feel unwell. 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.

**Inhalation:** No effect expected.

**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.

Unsuitable extinguishing media:

None known.

##### Specific hazards for product

Hazardous combustion products:

Oxides of carbon, phosphorus 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:

Wear gloves and safety glasses. 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:

Contains organic phosphates. Do not let large quantities go to the sewers.

## SECTION 7 - HANDLING AND STORAGE

### 7a Precautions for Safe handling:

Avoid contact with eyes and prolonged contact with skin. Avoid breathing vapours. 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<br>Average Limit (TWA) | Ontario Short-Term Exposure<br>Limit (STEL)   | Notations |
|----------------------------------|----------------------------------------------|-----------------------------------------------|-----------|
| Diethyleneglycol monoethyl ether | 30 ppm                                       | None established                              |           |
| Acrylate copolymer               | None established                             | None established                              |           |
| Tributoxyethyl phosphate         | None established                             | None established                              |           |
| Ethylene glycol                  | None established                             | Ceiling 100 mg/m <sup>3</sup><br>Aerosol only |           |
| 2-Ethylhexylbenzoate             | None established                             | None established                              |           |

### 8b Engineering controls:

Not required under normal applications except general ventilation.

### 8c Individual protection measures

Respiratory Protection:

Not required under normal applications.

Skin protection and other protective equipment:

Waterproof boots for spills. Rubber gloves.

Eye / face protection:

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

|                                                           |                                          |
|-----------------------------------------------------------|------------------------------------------|
| <b>Appearance and odour:</b>                              | Milky white liquid, characteristic odour |
| <b>Odour threshold:</b>                                   | Not available                            |
| <b>pH :</b>                                               | 6-8                                      |
| <b>Melting point and freezing point:</b>                  | Approximately 0 °C                       |
| <b>Boiling point:</b>                                     | Approximately 100 °C                     |
| <b>Flash point:</b>                                       | Greater than 93°C                        |
| <b>Evaporation rate (n-BuAc =1):</b>                      | Approximately 0.4 (water)                |
| <b>Lower flammable limit (% by volume):</b>               | Not available                            |
| <b>Upper flammable limit (% by volume):</b>               | Not available.                           |
| <b>Explosion data - Sensitivity to mechanical impact:</b> | Not available                            |
| <b>Explosion data - Sensitivity to static discharge:</b>  | Not available                            |
| <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 oxidizers.

**10d Conditions to avoid:**

Avoid contact with strong oxidizers.

**10e Incompatible materials**

Strong acids

**10f Hazardous decomposition products:**

With strong oxidizers: heat, water vapour, decomposition products, oxides of carbon, phosphorus and others.

## SECTION 11 - TOXICOLOGICAL INFORMATION

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| <b>Eye:</b>        | May cause irritation, redness, tears, burning sensation.                               |
| <b>Skin:</b>       | May cause irritation.                                                                  |
| <b>Inhalation:</b> | May cause irritation of respiratory tract.                                             |
| <b>Ingestion:</b>  | May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting. |

|                                                                  |                                                        |
|------------------------------------------------------------------|--------------------------------------------------------|
| <b>Carcinogenicity:</b>                                          | No ingredient listed by IARC as a possible carcinogen. |
| <b>Teratogenicity, mutagenicity, other reproductive effects:</b> | No applicable information found                        |
| <b>Skin sensitization:</b>                                       | Not available                                          |
| <b>Respiratory tract sensitization:</b>                          | Not available                                          |
| <b>Synergistic materials:</b>                                    | Not available                                          |
| <b>Other important hazards:</b>                                  | Not available                                          |

**Toxicological data:**

| Ingredient                      | LD <sub>50</sub> (route, species)                               | LC <sub>50</sub> # hours (species) |
|---------------------------------|-----------------------------------------------------------------|------------------------------------|
| Diethyleneglycol monoethylether | 6,031 mg/kg (oral, rat)<br>9,143 mg/kg (dermal, lapin)          | Not available                      |
| Acrylate copolymer              | Not available                                                   | Not available                      |
| Tributoxyethyl phosphate        | 3,000 mg/kg (oral, rat)<br>>5,000 mg/kg (dermal, rabbit)        | Not available                      |
| Ethylene glycol                 | 7 712 mg/kg (oral, rat)<br>3 500 mg/kg (mouse)                  | LC50 (6 h) 2.5 mg/L air (rat)      |
| 2-Ethylhexylbenzoate            | 2,500 – 5,000 mg/kg (oral, rat)<br>5,000 mg/kg bw (dermal, rat) | Not available                      |

For more details, refer to Section 3.

|                                            |
|--------------------------------------------|
| <b>SECTION 12 - ECOLOGICAL INFORMATION</b> |
|--------------------------------------------|

**12a Ecotoxicity :**

| TOXICITY (Fish)                 | Results                          | Exposure time | Method        |
|---------------------------------|----------------------------------|---------------|---------------|
| Diethyleneglycol monoethylether | Catfish LC50 6010 mg/L           | 96H           | Not available |
| Acrylate copolymer              | Not available                    |               |               |
| Tributoxyethyl phosphate        | Pimephales promelas<br>11.2 mg/L | 96H           | Not available |
| Ethylene glycol                 | Fish 72.86 g/L                   | 96H           | Not available |
| 2-Ethylhexylbenzoate            | Fish 0.66 mg/L                   | 96H           | Not available |

| TOXICITY (Daphnia)              | Results       | Exposure time | Method        |
|---------------------------------|---------------|---------------|---------------|
| Diethyleneglycol monoethylether | 1,982 mg/L    | 48H           | Not available |
| Acrylate copolymer              | Not available |               |               |
| Tributoxyethyl phosphate        | Not available |               |               |
| Ethylene glycol                 | EC50 100 mg/L | 48H           | Not available |
| 2-Ethylhexylbenzoate            | EC50 125 µg/L | 48H           | Not available |

| TOXICITY (Algae)                | Results                                    | Exposure time | Method        |
|---------------------------------|--------------------------------------------|---------------|---------------|
| Diethyleneglycol monoethylether | Desmodesmus subspicatus<br>EC50 > 100 mg/L | 96H           | Not available |
| Acrylate copolymer              | Not available                              |               |               |
| Tributoxyethyl phosphate        | Not available                              | ..            |               |
| Ethylene glycol                 | EC50 3.536 - 13 g/L                        | 96H           | Not available |
| 2-Ethylhexylbenzoate            | EC50 35 µg/L                               | 96H           | Not available |

**12b Persistence and degradability:** Product, except for polymers is biodegradable.

**12c Bioaccumulation potential:** Not available

**12d Mobility in soil:** Not available

**12e Other adverse effect** Product contains less than 0.3% phosphorus.

### 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

Not applicable

Proper shipping name:

Not applicable

Class:

Not applicable

Identification number:

Not applicable

Packing group:

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 Classification:** See section 2a

**CEPA information:** Ingredients are listed on the DSL inventory.

### SECTION 16 - OTHER INFORMATION

**Date of latest revision** 2016-05-03

#### 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                                          |
| Not available | 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