

SECTION 1 - IDENTIFICATION

Product identifier/Trade name: INO EKO 12 GLASS CLEANER, READY TO USE

Other means of identification: INO-EK12-4 and INO-EK12-946

Recommended use: Glass cleaner

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

Initial supplier identifier: INO SOLUTIONS
C.P. 1932, MONTRÉAL, QC
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 as dangerous as per GHS criteria.

2b Label elements

None

Precautionary statement

None as per GHS

Signal word:

None as per GHS

Hazard statement

None as per GHS

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients | CAS # | % (weight) | GHS CLASSIFICATION |
|-------------------------------------|-------|------------|--------------------|
| No hazardous ingredients as per GHS | | | |

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:

No effect expected.

Ingestion:

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

4b Most important symptoms and effects

Eye: May cause slight irritation and tearing.

Skin: Not applicable

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 jets), 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, 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 |
|--------------------------|---|--|-----------|
| No regulated ingredients | | | |

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:

Waterproof boots for large spills. In case of prolonged contact or for people with sensitive skin, we recommend wearing gloves.

Eye / face protection:

Not required under normal applications.

General hygiene considerations:

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:

Blue liquid, no added fragrance

Odour threshold:

N/Av

pH :

11

Melting point and freezing point:

Approximately 0 °C

Boiling point:

Approximately 100 °C

Flash point:

None to boil

Evaporation rate (n-BuAc =1):

Approximately 0.4 (water)

| | |
|--|-------------------------------|
| Lower flammable limit (% by volume): | N/Av |
| Upper flammable limit (% by volume): | N/Av. |
| Explosion data - Sensitivity to mechanical impact: | Not sensitive |
| Explosion data - Sensitivity to static discharge: | Not sensitive |
| Vapour pressure (mm Hg) | Approximately 20 (water) |
| Vapour density: | Approximately 0.6 (water) |
| Specific gravity or density (water = 1 at 4 °C): | 1.0 g/cm ³ @ 20 °C |
| Solubility in water: | Miscible |
| Partition coefficient – n-octanol/water: | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature | Not available |
| Viscosity: | <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:

None known.

10d Conditions to avoid:

None known when used as directed

10e Incompatible materials

None known when used as directed

10 f Hazardous decomposition products:

Oxides of carbon, nitrogen and other irritating gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Primary entry route(s): Eye and ingestion.

Eye: May cause irritation and tearing.

Skin: Not applicable

Inhalation: No effect expected.

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

Carcinogenicity:

No ingredient listed by IARC as a possible carcinogen.

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 LD₅₀ for this product is greater than 10,000 mg/Kg, oral, rat; our products are not tested on animals.

| Ingredient | LD ₅₀ (route, species) | LC ₅₀ # hours (species) |
|---------------|-----------------------------------|------------------------------------|
| Not available | | |

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity :

| TOXICITY (Fish) | Results | Exposure time | Method |
|-----------------|---------|---------------|--------|
| Not available | | | |

| TOXICITY (Daphnia) | Results | Exposure time | Method |
|--------------------|---------|---------------|--------|
| Not available | | | |

| TOXICITY (Algae) | Results | Exposure time | Method |
|------------------|---------|---------------|--------|
| Not available | | | |

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

12c Bioaccumulation potential: Not available

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 | 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 2015 Classification: See section 2a.

CEPA information: Ingredients are listed on the DSL inventory.

SECTION 16 - OTHER INFORMATION

Date of latest revision 2019-06-17

References:

1. Manufacturer'/suppliers' SDS.
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 SDS