SECTION 1 - IDENTIFICATION

Product identifier/Trade name: MIRAGE 1 8 FLOOR FINISH

Other means of identification:

Recommended use: Floor finish

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 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	2-5	Not classified
Acrylate copolymer	25133-97-5	30-60	Eye irritation, category 2 Skin irritation category 2
Tributoyxethyl phosphate	78-51-3	1-5	Not classified
Zinc ammonium carbonate	38714-47-5	< 1	Eye irritation, category 2 Skin irritation category 2 May cause respiratory irritation, category 3

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 forSafe 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 Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
Diethyleneglycol monoethyl ether	30 ppm	None established	
Acrylate copolymer	None estabished	None established	
Tributoxyethyl phosphate	None established	None estabished	
Zinc ammonium carbonate	None established	None estabished	

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:
Not required under normal applications. Safety glasses in case of possible contact.

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

May react with strong oxidizers.

10d Conditions to avoid:

Avoid contact with strong oxidizers.

10e Incompatible materials

Strong acids

10f Hazardous decomposition product*s*:

With strong oxidizers: heat, water vapour.

SECTION 11 - TOXICOLOGICAL INFORMATION

Eye: May cause irritation, redness, tears, burning sensation.
Skin: May cause irritation.
Inhalation: May cause irritation of respiratory tract.
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: .

Ingredient	LD_{50} (route, species)	LC_{50} # hours (species)
Diethyleneglycol monoethylether	6,031 mg/kg (oral, rat) 9,143 mg/kg (dermal, lapin)	Not available
Acrylate copolymer	Not available	Not available
Tributoxyethyl phosphate	3,000 mg/kg (oral, rat) >5,000 mg/kg (dermal, rabbit)	Not available
Zinc ammonium carbonate	Not available	

For more details, refer to Section 3.

SECTION 12 - ECOLOGICAL INFORMATION

12a Ecotoxicity :

TOXICITY (Fish)	Results	Exposure time	Method
Diethyleneglycol monoethylether	Barbotte LC50 6010 mg/L	96H	Not available
Acrylate copolymer	Not available		
Tributoxyethyl phosphate	Pimephales promelas LC50 11.2 mg/L	96H	Not available
Zinc ammonium carbonate	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		
Zinc ammonium carbonate	Not available		

TOXICITY (Algea)	Results	Exposure time	Method
Diethyleneglycol monoethylether	Desmodesmus subspicatus EC50 > 100 mg/L	96H	Not available
Acrylate copolymer	Not available		
Tributoxyethyl phosphate	Not available	¨	
Zinc ammonium carbonate	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 0.4% 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