



SAFETY DATA SHEET

IODIP 10

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : IODIP 10

Other means of identification : Not applicable

Recommended use : Teat dip

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 03/23/2018

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical name | CAS-No. | Concentration (%) |
|------------------|---------|-------------------|
| glycerin | 56-81-5 | 5 - 10 |
| Propylene glycol | 57-55-6 | 1 - 5 |

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

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| Notes to physician | : No specific measures identified. |
| Most important symptoms and effects, both acute and delayed | : See Section 11 for more detailed information on health effects and symptoms. |

SECTION 5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards during fire fighting | : Not flammable or combustible. |
| Hazardous combustion products | : Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus |
| Special protective equipment for fire-fighters | : Use personal protective equipment. |
| Specific extinguishing methods | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Refer to protective measures listed in sections 7 and 8. |
| Environmental precautions | : No special environmental precautions required. |
| Methods and materials for containment and cleaning up | : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. |

SECTION 7. HANDLING AND STORAGE

| | |
|-----------------------------|--|
| Advice on safe handling | : Wash hands after handling. For personal protection see section 8. |
| Conditions for safe storage | : Keep out of reach of children. Store in suitable labeled containers. |
| Storage temperature | : 0 °C to 50 °C |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

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| Ingredients | CAS-No. | Form of exposure | Permissible concentration | Basis |
|------------------|---------|------------------------------|---------------------------|-----------|
| glycerin | 56-81-5 | TWA | 10 mg/m3 | ACGIH |
| | | TWA (respirable fraction) | 5 mg/m3 | OSHA Z1 |
| Propylene glycol | 57-55-6 | TWA | 10 mg/m3 | AIHA WEEL |

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | : liquid |
| Color | : opaque, dark brown |
| Odor | : iodine |
| pH | : 3.4 - 4.1, (100 %) |
| Flash point | : Not applicable, Does not sustain combustion. |
| Odor Threshold | : No data available |
| Melting point/freezing point | : No data available |
| Initial boiling point and boiling range | : > 100 °C |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density | : No data available |
| Relative density | : 1.029 |
| Water solubility | : No data available |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Autoignition temperature | : No data available |
| Thermal decomposition | : No data available |

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|----------------------|-------------------------------------|
| Viscosity, kinematic | : 12.000 mm ² /s (40 °C) |
| Explosive properties | : No data available |
| Oxidizing properties | : yes |
| Molecular weight | : No data available |
| VOC | : No data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | : None known. |
| Incompatible materials | : Acids and bases |
| Hazardous decomposition products | : Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO _x) Sulfur oxides Oxides of phosphorus |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Information on likely routes of exposure | : Inhalation, Eye contact, Skin contact |
|--|---|

Potential Health Effects

| | |
|------------------|---|
| Eyes | : Health injuries are not known or expected under normal use. |
| Skin | : Health injuries are not known or expected under normal use. |
| Ingestion | : Health injuries are not known or expected under normal use. |
| Inhalation | : Health injuries are not known or expected under normal use. |
| Chronic Exposure | : Health injuries are not known or expected under normal use. |

Experience with human exposure

| | |
|--------------|----------------------------------|
| Eye contact | : No symptoms known or expected. |
| Skin contact | : No symptoms known or expected. |
| Ingestion | : No symptoms known or expected. |
| Inhalation | : No symptoms known or expected. |

Toxicity

Product

| | |
|---------------------------|---|
| Acute oral toxicity | : Acute toxicity estimate : > 5,000 mg/kg |
| Acute inhalation toxicity | : No data available |

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|-----------------------------------|---------------------|
| Acute dermal toxicity | : No data available |
| Skin corrosion/irritation | : No data available |
| Serious eye damage/eye irritation | : No data available |
| Respiratory or skin sensitization | : No data available |
| Carcinogenicity | : No data available |
| Reproductive effects | : No data available |
| Germ cell mutagenicity | : No data available |
| Teratogenicity | : No data available |
| STOT-single exposure | : No data available |
| STOT-repeated exposure | : No data available |
| Aspiration toxicity | : No data available |

Ingredients

| | |
|---------------------------|--|
| Acute inhalation toxicity | : Propylene glycol 4 h LC50 Rat: > 158.5 mg/l Test atmosphere: dust/mist |
|---------------------------|--|

Ingredients

| | |
|-----------------------|---|
| Acute dermal toxicity | : glycerin LD50 Rabbit: 23,000 mg/kg |
|-----------------------|---|

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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|-----------------------|----------------------------|
| Environmental Effects | : Harmful to aquatic life. |
|-----------------------|----------------------------|

Product

| | |
|---|---------------------|
| Toxicity to fish | : No data available |
| Toxicity to daphnia and other aquatic invertebrates | : No data available |
| Toxicity to algae | : No data available |

Ingredients

| | |
|------------------|--|
| Toxicity to fish | : glycerin 96 h LC50 Fish: 855 mg/l Propylene glycol 96 h LC50: > 10,000 mg/l |
|------------------|--|

Ingredients

| | |
|---|--|
| Toxicity to daphnia and other aquatic invertebrates | : Propylene glycol 48 h EC50: 18,340 mg/l |
|---|--|

Ingredients

| | |
|-------------------|--|
| Toxicity to algae | : Propylene glycol 96 h EC50: 19,000 mg/l |
|-------------------|--|

Persistence and degradability

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No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Diluted product can be flushed to sanitary sewer.

Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :

On TSCA Inventory

Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia Inventory of Chemical Substances (AICS) :

not determined

New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Japan. ISHL - Inventory of Chemical Substances (METI) :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

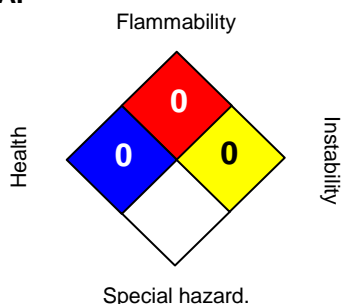
not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

| | |
|-----------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 03/23/2018
Version : 1.2
Prepared by : Regulatory Affairs

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REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material 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.