

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAN GLUOFF



Material no.

Specification

154321

Revision date

07.06.2022

Version

1.18

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME : IGL Coatings™ ecoclean gluoff
FUNCTION : Adhesive and glue remover
COMPANY : Ominent Sdn Bhd
ADDRESS : No.7, Jalan Majistret U1/26, Hicom-Glenmarie Industrial Park, Seksyen U1, 40150 Shah Alam, Selangor.
PHONE : +60355690980
EMAIL ADDRESS : regulations@iglcoatings.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Physical hazards

Flammable liquid Category 3

Health hazards

Eye Irritation Category 2

Skin Irritation Category 2

Acute toxicity (Inhalation) Category 4

Specific Target Organ Toxicity – Single Exposure Category 3

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS02



GHS07

Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor if you feel unwell.

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| | |
|-----------|--|
| P332+P317 | If skin irritation occurs: Get medical help. |
| P337+P317 | If eye irritation persists: Get medical help. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use fire extinguisher to extinguish. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to comply with local, state and federal regulations. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS No. | Chemical Name | | | Quantity |
|------------|---|----------------|-----------------------|----------|
| | EC No. | Index No. | REACH No. | |
| | Classification according to Regulation (EC) No. 1272/2008 (CLP) | | | |
| 7732-18-5 | Water | | | 30-60% |
| | 231-791-2 | Not applicable | Not applicable | |
| | Not applicable | | | |
| 67-63-0 | Isopropyl alcohol | | | 10-30% |
| | 200-661-7 | 603-117-00-0 | 01-2119457558-25-0000 | |
| | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 | | | |
| 67784-80-9 | Methyl soyate | | | 10-30% |
| | 267-055-2 | Not applicable | Not applicable | |
| | Not applicable | | | |
| 111-76-2 | Butyl cellosolve | | | 1-5% |
| | 203-905-0 | 603-014-00-0 | 01-2119475108-36-0000 | |
| | Acute Tox. 4: H302; Skin Irr. 2: H315; Eye Irr. 2: H319 | | | |
| 9005-64-5 | Polysorbate 20 | | | 1-5% |
| | 500-018-3 | Not applicable | 01-2119971749-17-0001 | |
| | Not applicable | | | |
| 10043-35-3 | Boric acid | | | <0.1% |
| | 233-139-2 | Not applicable | 01-2119486683-25-0000 | |
| | Repr. 1B: H360 | | | |
| 7447-40-7 | Potassium chloride | | | <0.1% |
| | 231-211-8 | Not applicable | 01-2119539416-36-0001 | |
| | Not applicable | | | |
| 6834-92-0 | Sodium Metasilicate | | | <0.1% |
| | 229-912-9 | Not applicable | 01-2119449811-37-0000 | |
| | Skin Corr. 1B: H314; STOT SE 3: H335 | | | |

Additional information:

The exact percentage of some ingredients used in this product are considered to be proprietary and are withheld as confidential business information.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing.

After Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

After skin contact

Wash skin with soap and water. Do not apply neutralizing agents.

Get medical attention if irritation develops and persists.

After contact with eyes

Rinse immediately with plenty of water for at least 15 minutes.

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Remove contact lenses, if presence and easy to do. Get medical attention if irritation develops and persists.

After ingestion

Rinse mouth with water. Immediately after ingestion: give lots of water to drink.

Do not induce vomiting. Get medical attention immediately.

Ingestion of large quantities: immediately to hospital. Doctor: Gastric lavage.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

Coughing, dry/sore throat, dizziness, headache and narcosis.

Symptoms/effects after skin contact

Dry skin

Symptoms/effects after eye contact

Irritation of eye tissue.

Symptoms/effects after ingestion

AFTER ABSORPTION OF LARGE QUANTITIES:

Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea.

Vomiting. Abdominal pain. Disturbed motor response. Disturbances of consciousness.

FOLLOWING SYMPTOMS MAY APPEAR LATER: Body temperature fall. Slowing respiration.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water spray, alcohol-resistant foam, polyvalent foam, BC powder and carbon dioxide (CO₂).

5.2 Unsuitable extinguishing media

Solid water jet ineffective as extinguishing medium.

5.3 Special hazards arising from the substance or mixture

Fire hazard:

DIRECT FIRE HAZARD. Highly flammable. Gas/vapor flammable with air within explosion limits.

INDIRECT FIRE HAZARD. May be ignited by sparks. Gas/vapor spreads at floor level: ignition hazard.

Explosion hazard:

DIRECT EXPLOSION HAZARD. Gas/vapour explosive with air within explosion limits.

INDIRECT EXPLOSION HAZARD. May be ignited by sparks.

Reactivity:

Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage/in large quantities: may form peroxides.

5.4 Special firefighting procedure

Move container from fire area if you can do so without risk. Water runoff can cause environmental damage.

5.5 Advise for firefighters

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

5.6 Unusual Fire Hazards:

Not known.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Stop engines and no smoking. No naked flames or sparks. Sparks- and explosion-proof appliances and lighting equipment. Keep container closed. Wash contaminated clothes. Wear personal protection equipment (Refer to section 8).

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

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Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4 Reference to other sections

Safe handling: Refer to section 7

Personal protection equipment: Refer to section 8

Disposal: Refer to section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (Refer to section 8).

Use care in handling/storage. Avoid release to the environment. Do not empty into drain. Do not breathe the mist or vapor. Provide adequate ventilation. Keep away from naked flame/heat. Keep away from ignition sources/sparks.

Advice on protection against fire and explosion

No information available.

Further information on handling

General protection and hygiene measures: Refer to section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, dry place out of direct sunlight.

Advice on storage compatibility

Do not store together with food and feeding stuffs.

Further information on storage conditions

Recommended storage temperature: 20-25°C.

7.3 Specific end use(s): Refer to section 1.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Specified substance: Isopropyl alcohol

| | | |
|-------|----------------|--|
| ACGIH | ACGIH TWA | 200 ppm (2-propanol; USA; Time-weighted average exposure limit 8 hrs; TLV-Adopted value) |
| ACGIH | ACGIH STEL | 400 ppm (2-propanol; USA; Short time value; TLV-Adopted value) |
| OSHA | OSHA PEL (TWA) | 980 mg/m ³ |
| OSHA | OSHA PEL (TWA) | 400 ppm |

8.2 Exposure Control

8.2.1 General protective and hygienic measures:

Wash hands before breaks and immediately after handling the product with mild soap and water.

Wash contaminated clothes before reuse.

Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Personal protective equipment:

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment (gas mask with filter type A).

Protection of hands:

Wear protective gloves.

Eye protection: Safety glasses/goggles with side shields.

Skin and body protection: Wear suitable protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|----------------------------|
| Boiling point | : 95 °C |
| Density | : 0.96 g/cm ³ |
| Melting point | : Not applicable |
| Flash point | : 26 °C |
| pH | : 12.5-13.5 |
| Evaporation rate | : 1.96 (butyl acetate = 1) |
| Solubility in water | : Soluble |
| Appearance (colour) | : Clear Yellow |
| Appearance (form) | : Liquid |
| Odour | : Orange |

10. STABILITY AND REACTIVITY

10.1 Reactivity: Upon combustion: CO and CO₂ are formed. Explosive reaction with strong oxidizing agents.

10.2 Chemical stability: Stable at normal condition.

10.3 Possibility of hazardous reactions: No additional information available.

10.4 Conditions to avoid: Direct sunlight, heat, high temperature, incompatible materials, open flame and sparks.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon monoxide (CO) and carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

| Exposure route | Endpoint | Value | Species | Source |
|----------------|----------|--------------|---------|--------|
| Oral | LD50 | 10385 mg/kg | Rat | ECHA |
| Inhalation | LC50 | 18.8 mg/L | Rat | ECHA |
| Dermal | LD50 | 5944.8 mg/kg | Rabbit | ECHA |

Skin corrosion/irritation: May causes mild skin irritation.

Eye irritation: May causes eye irritation.

Respiratory or skin sensitization: Shall not be classified as respiratory or skin sensitization.

Summary of evaluation of the CMR properties: Shall not be classified as a germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity – single exposure: May causes drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

12. ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity

Specified substance: Isopropyl alcohol

| Endpoint | Value | Species | Exposure time | Source |
|--------------|----------|-----------------------|---------------|--------|
| LC50 | 9.64 g/L | Freshwater fish | 4 days | ECHA |
| EC50/LC50 | 10 g/L | Aquatic Invertebrates | 24 hours | ECHA |
| EC10 or NOEC | 1.8 g/L | Freshwater algae | 7 days | ECHA |

Specified substance: Butyl Cellosolve

| Endpoint | Value | Species | Exposure time | Source |
|-------------------|------------------|-----------------------|---------------|--------|
| LC50 | 1474 mg/L | Freshwater fish | 96 hours | ECHA |
| LC50 | 1250 mg/L | Marine water fish | 96 hours | ECHA |
| NOEC | 100 mg/L | Fish | 14 days | ECHA |
| EC50 | 1550 - 1800 mg/L | Aquatic invertebrates | 48 hours | ECHA |
| EC10/LC10 or NOEC | 100 mg/L | Aquatic invertebrates | - | ECHA |

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Specified substance: Polysorbate 20

| Endpoint | Value | Species | Exposure time | Source |
|----------|--------------------|---------------------------------|---------------|--------|
| LL50 | 100 mg/L | Fish | 96 hours | ECHA |
| NOELR | 10 mg/L | Aquatic invertebrates | 21 days | ECHA |
| EL50 | 23.9 mg/L | | | |
| EL10 | 7.47 – 19.05 mg/L | Aquatic algae and cyanobacteria | 72 hours | ECHA |
| EL50 | 20.24 – 58.84 mg/L | | | |

12.2 Process of degradability

Readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB Assessment

The substance is not PBT/vPvB.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery.

Sewage disposal-related information

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Do not discharge into surface water. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Please consider the relevant national or regional provisions.

14. TRANSPORT INFORMATION

14.1 IATA-DGR

UN number : 1263
UN proper shipping name : Paint related materials
Transport hazard class(es) : 3
Packing group : III
Environmental hazards : No
Special precautions for user : No data available.
Remarks : -

14.2 IMDG-Code

UN number : 1263
UN proper shipping name : Paint related materials
Transport hazard class(es) : 3
Packing group : III
Environmental hazards : No
Marine pollutant : No

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EmS Code

: -

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal Regulations

US. Toxic Substances Control Act (TSCA)

All chemical substances in this material are included on the TSCA Inventory of Chemical Substances.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Hazardous Substance List

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Emergency Planning and Community Right-To-Know Act (EPCRA) Section 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

Emergency Planning and Community Right-To-Know Act (EPCRA) Section 313 Toxics Release Inventory (TRI) Reporting

| Component | CAS No. |
|-------------------|---------|
| Isopropyl alcohol | 67-63-0 |

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

US. State Regulation

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

EU Regulation

EU. Directive 2012/18/EU (SEVESO III) on Major Accident Hazards Involving Dangerous Substances, Annex I:

Not applicable.

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this 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 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 use in combination with any other materials or any process, unless specified in the test.