

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

31.05.2021

Version

1.1

Page

1 of 6

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

PRODUCT NAME : IGL Coatings™ Ecoclear Aegis Diluent
FUNCTION : Diluent
COMPANY : Ominent Sdn Bhd
ADDRESS : No.7, Jalan Majistret U1/26, Hicom-Glenmarie Industrial Park, 40150 Shah Alam, Selangor.
PHONE : +60378310980
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

Specific target organ toxicity – single exposure Category 3

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS02



GHS07

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour
H336 May cause drowsiness or dizziness

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P319 Get medical help if you feel unwell.
P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed and keep cool.
P405 Store locked up.
P501 Dispose of contents/container to comply with local, state and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

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Version

1.1

Page

2 of 6

| CAS No. | Chemical Name | | | Quantity |
|----------|---|----------------|-----------------------|----------|
| | EC No. | Index No. | REACH No. | |
| | Classification according to Regulation (EC) No. 1272/2008 (CLP) | | | |
| 123-86-4 | Butyl acetate | | | >90% |
| | 203-745-1 | Not applicable | 01-2119485493-29-0000 | |
| | Flam. Liq. 3: H226; STOT SE 3: H336 | | | |

4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Take off contaminated clothing immediately.

After Inhalation

Move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

After skin contact

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

With eye held open, rinse thoroughly with water for at least 15 minutes. Remove contact lenses, if presence and easy to do. Get medical attention.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media

No information available.

5.3 Special hazards arising from the substance or mixture

Flammable. Containers may explode when heated. Vapour may form explosive mixtures with air. Vapour may travel to source of ignition and flash back.

5.4 Special fire-fighting procedures

No information available.

5.5 Special protective equipment for fire-fighters

Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire-fighting gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (Refer to section 8).

6.2 Environmental precautions

Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections

Safe handling: Refer to section 7

Personal protection equipment: Refer to section 8

Disposal: Refer to section 13

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

31.05.2021

Version

1.1

Page

3 of 6

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (Refer to section 8). Ensure adequate ventilation. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

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, well-ventilated place.

Keep away from heat and sources of ignition.

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

Occupational Exposure Limits:

| Component | Value type (Form of exposure) | Control parameter | Basis |
|---------------|-------------------------------|----------------------------------|--------|
| Butyl acetate | TWA | 150 ppm 713 mg/m ³ | MY OEL |
| | TWA | 150 ppm | ACGIH |
| | STEL | 200 ppm | ACGIH |

8.2 Exposure Control

8.2.1 General protective and hygienic measures:

Wash hands before breaks and at the end of work. Ensure adequate ventilation. No smoking.

8.2.2 Personal protective equipment:

Respiratory protection:

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Protection of hands:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Eye protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|----------------------|
| Appearance (colour) | : Colourless |
| Appearance (form) | : Liquid |
| Odour | : Sweet |
| Boiling Point | : 126 °C |
| Vapour Pressure | : No data available |
| Vapor Density | : No data available. |
| Specific Gravity | : 0.881 (at 20 °C) |
| Melting Point | : -90°C |
| Flash Point | : 27 °C |
| pH | : Not applicable |
| Evaporation Rate | : 1 |

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

31.05.2021

Version

1.1

Page

4 of 6

Solubility in Water : Not soluble

Auto-ignition temperature : 415 °C

10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: None under normal processing.

10.4 Conditions to avoid: Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials: Strong oxidizing agent, strong acids, strong bases.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

| Exposure route | Endpoint | Value | Species | Source |
|----------------|----------|----------------|---------|--------|
| Oral | LD50 | 10760 mg/kg | Rat | ECHA |
| Dermal | LD50 | 14112 mg/kg | Rabbit | ECHA |
| Inhalation | LC50 | >1000 ppm (4h) | Rat | ECHA |

Skin corrosion/irritation: Shall not be classified as skin irritant.

Serious eye damage/eye irritation: Shall not be classified as eye damage or irritant.

Respiratory or skin sensitization: May causes sensitization by skin.

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 cause drowsiness or dizziness

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

Aspiration hazard: No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

| Endpoint | Value | Species | Exposure time |
|-----------|------------------|-----------------------|---------------|
| LC50 | 18 mg/L | Freshwater fish | 96 hours |
| EC50/LC50 | 32 – 44 mg/L | Aquatic Invertebrates | 48 hours |
| NOEC | 23 mg/L | Aquatic Invertebrates | 21 days |
| EC50 | 397 – 674.7 mg/L | Freshwater algae | 72 hours |

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Partition Coefficient n-octanol/water (log K_{ow})

No data available.

12.5 Mobility in soil

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

Contaminated Packaging

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

31.05.2021

Version

1.1

Page

5 of 6

Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities. If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous.

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

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. 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 : -
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
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

This product contains the following substance subject to the CERCLA Hazardous Substance List

| Component | CAS No. |
|---------------|----------|
| Butyl acetate | 123-86-4 |

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

None present or none present in regulated quantities.

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

SAFETY DATA SHEET

IGL COATINGS™ ECOCLEAR AEGIS DILUENT



Material no.

Specification

154332

Revision date

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Version

1.1

Page

6 of 6

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.