

SAFETY DATA SHEET

IGL Coatings™ Ecocoat Headlight

Material no.

Specification

154291

Revision date

10.01.2017

Version

1.13

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

PRODUCT NAME : IGL Coatings™ ecocoat headlight

FUNCTION : UV Absorber for polycarbonate

COMPANY : Ominent Sdn Bhd

ADDRESS : 12, Jalan Saudagar Satu, U1/16A 40150 Shah Alam, Selangor Darul Ehsan, Malaysia

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008



GHS07

H302 Harmful if swallowed

H319 Causes serious eye irritation

H315 Causes skin irritation

2.2 Label Elements

Regulation (EC) No. 1272/2008



GHS07

Hazard statements

H302 Harmful if swallowed

H319 Causes serious eye irritation

H315 Causes skin irritation

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P281 Use personal protective equipment as required

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P331 Do NOT induce vomiting

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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) | | | |
| 63148-62-9 | Poly(dimethylsiloxane) | | | 10-20% |
| | Not applicable | Not applicable | Not applicable | |
| | Not applicable | | | |
| 110-54-3 | Hexane | | | <5% |
| | 203-777-6 | 601-037-00-00 | Not applicable | |
| | Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H336; | | | |
| | Flam. Liq. 2: H225 – Warning | | | |

Full text of H and EUH statements: see section 16.

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4. FIRST AID MEASURES

General Information

Take off contaminated clothing

After Inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

After skin contact

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

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : foam, CO₂, dry powder

Unsuitable extinguishing media: None known

5.2 Special hazards arising from the substance or mixture

Hazardous toxic and irritating fumes or smoke may be emitted

Vapours may travel considerable distance to ignition source and flash back

5.3 Advise for firefighters

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective 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

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal .

Clean contaminated articles and floor according to the environmental legislation.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).

Further information on handling

General protection and hygiene measures: refer to chapter 8

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with food and feeding stuffs.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination. Recommended storage temperature: 20C

Protect against: UV-radiation/sunlight. heat.

7.3. Specific end use(s) :refer to chapter 1.

7.4. Information about the emptied container

Dispose as per local regulation

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Contains no substances with occupational exposure limit values

8.1 Exposure Control

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|----------------------|
| Boiling Point | : 180-220 °C |
| Specific Gravity | : 1.08 (water = 1) |
| Flash Point | : > 135°C |
| pH | : N/A |
| Solubility in Water | : Not soluble |
| Appearance (color) | : transparent liquid |
| Appearance (form) | : Fluid |
| Odour | : Low odour |

10. STABILITY AND REACTIVITY

10.1 Reactivity : No further relevant information available

10.2 Chemical stability : Stable

Thermal decomposition / conditions to avoid : No decomposition if used according to specifications

10.3 Possibility of hazardous reactions : No dangerous reactions known

10.4 Conditions to avoid : Sunlight, heat, open flames, high temperature, sparks, static electrical charge, other ignition sources

10.5 Incompatible materials : Oxidizers

10.6 Hazardous decomposition products : Material does not decompose at ambient temperature

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity : LD50 Oral – Rat – 8.030 mg/kg / LD50 Dermal – Rabbit mg/kg

Skin corrosion/irritation : Moderate irritation (Human; EHC 122, 1993, DFGOT vol 14,2000)

Serious eye damage/eye irritation : Causes mild eye irritation (Rabbit;10mg; Mild (TXAPA 9 55 501, 1980)

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

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 : No data available

Specific target organ toxicity – repeated exposure : No data available

Aspiration hazard : Shall not be classified as presenting as aspiration hazard

Potential health effects

Inhalation Harmful if inhaled. Causes respiratory tract irritation.

Ingestion Harmful if swallowed.

Skin Harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

Material may form a siloxane polymer on the skin, eyes, or in the lungs. In the event of direct contact of the liquid with these tissues, seek medical attention.

Additional Information

RTECS: VV4025000

12. ECOLOGICAL INFORMATION

12.1 Toxicity

According to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment

Aquatic toxicity (Acute)

| Endpoint | Value | Species | Source | Exposure time |
|----------|---------|---------------------------------|--------|---------------|
| LC50 | 55mg/l | Cyprinus carpio (carp) | ECHA | 96 hours |
| LC0 | 30mg/l | Cyprinus carpio (carp) | ECHA | 96 hours |
| EC50 | 473mg/l | Daphnia magna (water flea) | ECHA | 48 hours |
| EC50 | 255mg/l | Desmodesmus subspicatus (algae) | ECHA | 72 hours |

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

Data are not available

12.6 Other adverse effects

Harmful to aquatic life

Data are not available

13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulation.

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Sewage disposal-related information

Do not empty into drains.

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 UN number

ADR/RID: -

IMDG: -

IATA-DGR: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA-DGR: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA-DGR: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

14.7 Special precautions for user

No data available

15. REGULATORY INFORMATION

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

EU regulatory information

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII: not relevant

National regulatory information

Water contaminating class (D): Non contaminating

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.