

Date of issue : 1 August, 2022

## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier:

Product name: Eslon Hard Coat DC Plate PH-407-ASU (Polycarbonate)

Product code (SDS NO): PH\_407\_ASU\_EN

#### Product class:

This product is a article containing polycarbonate as the main component.

Considering generation of dust and cutting chips in the cutting and grinding process, the SDS describes hazards of the product as mixture.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the product: Static dissipative sheet

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SEKISUI CHEMICAL CO., LTD.

Address: 75 Nojiri, Ritto, Shiga 520-3081 JAPAN

Division: Urban Infrastructure &amp; Environmental Products Company Shiga-Ritto Plant

Telephone number: +81-(0)77-553-4103

FAX: +81-(0)77-553-0783

### 2. Hazards identification

GHS classification and label elements of the product

#### 2.1 Classification of the substance or mixture

Not classified/Classification not possible

#### 2.2 Label elements

No GHS label element

No Signal word

### 3. Composition/information on ingredients

Mixture/Substance selection:

#### 3.1 Mixture

Ingredient name	CAS No.	Content (%)
Polycarbonate	CBI	>= 95
Flame retardant	CBI	< 5
Inorganic tin compound	CBI	< 0.5
Inorganic antimony compound	CBI	< 0.1

Note : The figures shown above are not the specifications of the product.

### 4. First-aid measures

#### 4.1 Descriptions of first-aid measures

IF INHALED (Dust and cutting chips in cutting or grinding process)

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair) (Dust and cutting chips in cutting or grinding process)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES (Dust and cutting chips in cutting or grinding process)

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/attention.

IF SWALLOWED (Dust and cutting chips in cutting or grinding process)

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

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## 5. Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder to extinguish.

### 5.2 Specific hazards arising from the substance or mixture

Will form toxic carbon oxides upon combustion.

### 5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Extinguish from the windward to the extent possible.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

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## 6. Accidental release measures

(If released dust and cutting chips in cutting or grinding process)

### 6.1 Personnel precautions, protective equipment and emergency procedures

Ventilate area until material pick up is complete.

Wear proper protective equipment.

### 6.2 Environmental precautions

Do not wash away into sewers or waterway.

Avoid raising dust.

### 6.3 Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid inhalation of dust in cutting or grinding processes.

(Protective measures against fire and explosion)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Prevent deposition of dust.

(Dust in cutting or grinding process)

Safety Measures

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection/face protection.

Use personal protective equipment as required.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

## 7.2 Storage

Conditions for safe storage

Store in a well-ventilated place.

Keep cool. Protect from sunlight.

Store in a dry place.

Container and packaging materials for safe handling data is not available.

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## 8. Exposure controls/personal protection

### 8.1 Control parameters

Adopted value

(Inorganic tin compound)

ACGIH(1992) TWA: 2mg-Sn/m<sup>3</sup>(I) (Pneumoconiosis)

(Inorganic antimony compound)

ACGIH(1979) TWA: 0.5mg-Sb/m<sup>3</sup> (Skin & URT irr)

### 8.2 Exposure controls

Appropriate engineering controls

Exhaust/ventilator should be available.

Eye wash station should be available.

Washing facilities should be available.

Individual protection measures

Respiratory protection

Wear respiratory protection.

Hand protection

Wear protective gloves.

Eye protection

Wear safety glasses with side-shields or chemical safety goggle.

Skin and body protection

Wear protective clothing.

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## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Physical state: Solid (Sheet)

Color: Transparent clear

Odor: None

Melting point/Freezing point:  $\geq 240^{\circ}\text{C}$

Boiling point or initial boiling point data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point:  $\geq 522^{\circ}\text{C}$

Auto-ignition temperature:  $\geq 550^{\circ}\text{C}$

Decomposition temperature:  $\geq 380^{\circ}\text{C}$

pH data is not available.

Dynamic viscosity and kinematic viscosity data is not applicable.

Solubility:

Solubility in water: Insoluble

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Evaporation rate data is not available.

Density and/or relative density: 1.1 – 1.2

Relative vapor density (Air=1) data is not available.

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## 10. Stability and Reactivity

### 10.1 Reactivity

Reactivity data is not available.

### 10.2 Chemical stability

Stable under normal storage/handling conditions.

### 10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

### 10.4 Conditions to avoid

Conditions to avoid data is not available.

### 10.5 Incompatible materials

Incompatible materials data is not available.

### 10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

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## 11. Toxicological Information

### 11.1 Information on toxicological effects

Acute toxicity data is not available.

#### Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

#### STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

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## 12. Ecological Information

### 12.1 Ecotoxicity

Ecotoxicity data is not available.

#### Water solubility

(Inorganic tin compound)

none (ICSC, 2004)

### 12.2 Persistence and degradability

Persistence and degradability data is not available.

### 12.3 Bioaccumulative potential

(Inorganic antimony compound)

BCF=242 (Registered chemicals check & review data, Japan)

### 12.4 Mobility in soil

Mobility in soil data is not available.

### 12.5 Results of PBT and vPvB assessment

PBT and/or vPvB assessment data is not available.

### 12.6 Other adverse effects

Ozone depleting chemical data is not available.

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## 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

### 13.1 Waste treatment methods

- Dispose of contents/container in accordance with local/national regulation.
- Dispose to an authorized waste collection point.
- Do not dump into sewers, on the ground or into any body of water.

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## 14. Transport Information

- Not applicable to UN No., UN CLASS
- Not applicable to IMDG Code
- Not applicable to IATA Dangerous Goods Regulations

### 14.5 Environmental hazards

- MARPOL Annex III – Prevention of pollution by harmful substances
- Marine pollutants (yes/no) : no

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## 15. Regulatory Information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Other information is not available.
- Other regulatory information
  - Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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## 16. Other information

- The product is not applicable to GHS classifications.
- Reference Book
  - Globally Harmonized System of classification and labelling of chemicals, (6th ed., 2015), UN
  - Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN
  - IMDG Code, 2018 Edition (Incorporating Amendment 39–18)
  - IATA Dangerous Goods Regulations (61th Edition) 2020
  - Classification, labelling and packaging of substances and mixtures (Table 3 ECNO6182012)
  - 2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
  - 2020 TLVs and BEIs. (ACGIH)
  - <http://monographs.iarc.fr/ENG/Classification/index.php>
  - Supplier's data/information
  - GESTIS-Stoffdatenbank
  - Pub Chem (OPEN CHEMISTRY DATABASE)

### General Disclaimer

- This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.