

**Safety Data Sheet**
**ECD531E INTERGARD 740 LAGOON**
**Version No 1 Revision Date 08/19/13**
**1. Product and company identification**
**1.1. Product identifier** INTERGARD 740 LAGOON

Product Code ECD531E

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

Intended use Refer Technical Data Sheet.

Application Method Refer Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** International Paint (Korea) Limited  
 (8-6B/L Chilseo Industrial Complex),  
 626-6 Gyenae-Ri,  
 Chilseo-Myeon, Haman-Gun,  
 Gyeongsangnam-Do  
 Korea

**Telephone No.** 055-632-6286(R&D), 055 586 2310(Fact

**Fax No.** 055 632-6287(R&D), 055 587 6276(Fact

**1.4. Emergency telephone number** 055-586-2310(Factory)

**For Poisons Advice telephone** 055-586-2310(Factory) For Advice to Doctors & Hospitals only

**2. Hazard identification of the product**
**2.1. Classification of the substance or mixture**
**2.2. Label elements**

Using the Toxicity Data listed in section 11 &amp; 12 the product is labelled as follows.

**[Prevention]:**
**[Response]:**
**[Storage]:**
**[Disposal]:**
**2.3. Other hazards**
**3. Composition/information on ingredients**

This product contains the following hazardous substances.

| Ingredient/Chemical Designations  | Weight % | GHS Classification                       | Notes |
|---|----------|--|-------|
| Solvent Naphtha (Petroleum), light aromatic<br>CAS Number: 0064742-95-6 | 20-30    | Asp. Tox. 1;H304                         | [1]   |
| Epoxy Resin liquid<br>CAS Number: 0025036-25-3                          | 20-30    | Eye Irrit. 2;H319<br>Skin Irrit. 2;H315, | [1]   |

|  |       |   |        |
|--|-------|---|--------|
|  |       | Skin Sens. 1;H317   |        |
| Titanium dioxide<br>CAS Number: 0013463-67-7             | 10-20 |   | [1][2] |
| Talc<br>CAS Number: 0014807-96-6                         | 5-10  |   | [1][2] |
| Barium Sulphate<br>CAS Number: 0007727-43-7              | 5-10  |   | [1][2] |
| 1-METHOXYPROPAN-2-OL<br>CAS Number: Not Available        | 5-10  | Flam. Liq. 3;H226<br>STOT SE 3;H336   | [1][2] |
| Xylene<br>CAS Number: 0001330-20-7                       | 2.5-5 | Flam. Liq. 3;H226<br>Acute Tox. 4;H312<br>Acute Tox. 4;H332<br>Skin Irrit. 2;H315<br>Eye Dam. 2A;H319<br>STOT SE 3;H336<br>STOT RE 1;H372 | [1][2] |
| Cyclohexanone<br>CAS Number: 0000108-94-1                | 1-2.5 | Flam. Liq. 3;H226<br>Acute Tox. 4;H332  | [1][2] |
| Silica (quartz)<br>CAS Number: 0014808-60-7              | 1-2.5 | Acute Tox. 4;H332<br>STOT RE 2;H373   | [1][2] |
| polyamide dispersion<br>CAS Number: 0055349-01-4         | <1    | Skin Sens. 1;H317<br>Aquatic Chronic 4;H413   | [1]    |
| Lead chromate C.I. Yellow 34<br>CAS Number: 0001344-37-2 | <1    | Carc. 1B;H350<br>Repr. 1A;H360Df<br>STOT RE 2;H373<br>Aquatic Acute 1;H400<br>Aquatic Chronic 1;H410                                      | [1]    |
| Nonylphenol<br>CAS Number: 0025154-52-3                  | <1    | Acute Tox. 4;H302<br>Skin Corr. 1;H314<br>Repr. 2;H361<br>Aquatic Acute 1;H400<br>Aquatic Chronic 1;H410                                  | [1]    |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

## 4. First aid measures

### 4.1. Description of first aid measures

General

Inhalation

Skin Contact

Eye Contact

Ingestion

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

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

## 5. Fire-fighting measures

## 5.1. Extinguishing media

## 5.2. Special hazards arising from the substance or mixture

## 5.3. Advice for fire-fighters

# 6. Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

## 6.2. Environmental precautions

## 6.3. Methods and material for containment and cleaning up

# 7. Handling and storage

## 7.1. Precautions for safe handling

### Handling

### In Storage

## 7.2. Conditions for safe storage, including any incompatibilities

## 7.3. Specific end use(s)

# 8. Exposure controls and personal protection

## 8.1. Control parameters

Exposure standards are those provided by the ACGIH (American Conference of Government Industrial Hygienists).

| Material             | Short term (15 min. ave) |                   | Long term (8hr time weighted average) |       | Comments |
|----------------------|--------------------------|-------------------|---------------------------------------|-------|----------|
|                      | ppm                      | mg/m <sup>3</sup> | ppm                                   | mg/M3 |          |
| 1-METHOXYPROPAN-2-OL | 150                      | 540               | 100                                   | 360   |          |
| Barium Sulphate      |                          |                   | 2                                     | 10    |          |
| Cyclohexanone        |                          |                   | 25                                    | 100   |          |
| Silica (quartz)      |                          |                   |                                       | 0.1   |          |
| Talc                 |                          |                   |                                       | 2     |          |
| Titanium dioxide     |                          |                   |                                       | 10    |          |
| Xylene               | 150                      | 655               | 100                                   | 434   |          |

Key to notification

(P) Peak exposure limit

(R) Suppliers Recommended Limit

(Sk) There is a risk of absorption through unbroken skin

(Sen) Sensitiser

(Cat1) Category 1 - established human carcinogen

(Cat2) Category 2 - probable human carcinogen

(Cat3) Category 3 - substances suspected of having carcinogenic potential

## DNEL/PNEC values

## 8.2. Exposure controls

### Eye Protection

### Skin Protection

Other

Respiratory Protection

Thermal hazards

## 9. Physical and chemical properties

Colour

Odour

Odour threshold

pH

Melting point / freezing point (°C)

Initial boiling point and boiling range (°C)

Flash Point (C)

Evaporation rate (Ether = 1)

Flammability (solid, gas)

Upper/lower flammability or explosive limits Lower Explosive Limit: 1.1 ( Cyclohexanone )  
Upper Explosive Limit: 6.6 ( Xylene )

Vapour pressure (Pa)

Vapour Density

Specific Gravity 0.00

Solubility in Water

Partition coefficient n-octanol/water (Log Kow)

Autoignition temperature ( )

Decomposition temperature

Viscosity (cSt)

### 9.2. Other information

No further information

## 10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

## 11. Toxicological information

Acute toxicity

| Ingredient                  | Oral LD50, mg/kg | Skin LD50, mg/kg  | Inhalation Vapour LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|-----------------------------|------------------|-------------------|----------------------------------|-------------------------------------|
| 1-METHOXYPROPAN-2-OL - (Not | 5,000.00, Rat    | 13,000.00, Rabbit | Not Available                    | Not Available                       |

|  |                 |                   |               |               |
|--|-----------------|-------------------|---------------|---------------|
| Available)   |                 |                   |               |               |
| Barium Sulphate - (7727-43-7)                              | 3,000.00, Mouse | Not Available     | Not Available | Not Available |
| Cyclohexanone - (108-94-1)                                 | 1,400.00, Mouse | 948.00, Rabbit    | 10.70, Rat    | Not Available |
| Epoxy Resin liquid - (25036-25-3)                          | Not Available   | Not Available     | Not Available | Not Available |
| Lead chromate C.I. Yellow 34 - (1344-37-2)                 | 5,000.00, Rat   | Not Available     | Not Available | Not Available |
| Nonylphenol - (25154-52-3)                                 | 580.00, Rat     | 2,000.00, Rabbit  | Not Available | Not Available |
| polyamide dispersion - (55349-01-4)                        | Not Available   | Not Available     | Not Available | Not Available |
| Silica (quartz) - (14808-60-7)                             | Not Available   | Not Available     | Not Available | Not Available |
| Solvent Naphtha (Petroleum), light aromatic - (64742-95-6) | 6,800.00, Rat   | 3,400.00, Rabbit  | Not Available | Not Available |
| Talc - (14807-96-6)  | Not Available   | Not Available     | Not Available | Not Available |
| Titanium dioxide - (13463-67-7)                            | 10,000.00, Rat  | 10,000.00, Rabbit | Not Available | 6.82, Rat     |
| Xylene - (1330-20-7)                                       | 4,299.00, Rat   | 1,548.00, Rabbit  | Not Available | 20.00, Rat    |

| Item  | Category       | Hazard         |
|---|----------------|----------------|
| Acute Toxicity (mouth)                                      | Not Classified | Not Applicable |
| Acute Toxicity (skin)                                       | Not Classified | Not Applicable |
| Acute Toxicity (inhalation)                                 | Not Classified | Not Applicable |
| Skin corrosion/irritation                                   | Not Classified | Not Applicable |
| Eye damage/irritation                                       | Not Classified | Not Applicable |
| Sensitization (respiratory)                                 | Not Classified | Not Applicable |
| Sensitization (skin)  | Not Classified | Not Applicable |
| Germ toxicity   | Not Classified | Not Applicable |
| Carcinogenicity   | Not Classified | Not Applicable |
| Reproductive Toxicity                                       | Not Classified | Not Applicable |
| Specific target organ systemic toxicity (single exposure)   | Not Classified | Not Applicable |
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard   | Not Classified | Not Applicable |

## 12. Ecological information

### 12.1. Toxicity

#### Aquatic Ecotoxicity

| Ingredient   | 96 hr LC50 fish, mg/l           | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l                             |
|--|---------------------------------|----------------------------|---|
| Solvent Naphtha (Petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss       | 6.14, Daphnia magna        | 19.00 (72 hr), Selenastrum capricornutum      |
| Epoxy Resin liquid - (25036-25-3)                          | Not Available                   | Not Available              | Not Available                                 |
| Titanium dioxide - (13463-67-7)                            | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna        | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Talc - (14807-96-6)  | Not Available                   | Not Available              | Not Available                                 |
| Barium Sulphate - (7727-43-7)                              | 59,000.00, Poecilia sphenops    | 32.00, Daphnia magna       | Not Available                                 |

|  |                               |                          |   |
|--|-------------------------------|--------------------------|---|
| 1-METHOXYPROPAN-2-OL - (Not Available)     | 1,000.00, Oncorhynchus mykiss | 500.00, Daphnia magna    | 1,000.00 (96 hr), Selenastrum capricornutum |
| Xylene - (1330-20-7)                       | 3.30, Oncorhynchus mykiss     | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales              |
| Cyclohexanone - (108-94-1)                 | 527.00, Pimephales promelas   | 820.00, Daphnia magna    | 32.90 (72 hr), Chlamydomonas reinhardtii    |
| Silica (quartz) - (14808-60-7)             | Not Available                 | Not Available            | Not Available                               |
| polyamide dispersion - (55349-01-4)        | Not Available                 | Not Available            | Not Available                               |
| Lead chromate C.I. Yellow 34 - (1344-37-2) | 10,000.00, Leuciscus idus     | Not Available            | Not Available                               |
| Nonylphenol - (25154-52-3)                 | 0.135, Pimephales promelas    | 0.104, Daphnia magna     | 1.30 (72 hr), Scenedesmus subspicatus       |

## 12.2. Persistence and degradability

## 12.3. Bioaccumulative potential

## 12.4. Mobility in soil

## 12.5. Results of PBT and vPvB assessment

## 12.6. Other adverse effects

## 13. Disposal considerations

### 13.1. Waste treatment methods

## 14. Transport information

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### Road and Rail Transport

**IMDG**                      **Class/Div**                      **Sub Class**  
reference :

**Ems**

**ICAO/IATA**              **Class**                      **Sub Class**

### 14.4. Packing group

### 14.5. Environmental hazards

**Road and Rail** Environmentally Hazardous:  
**Transport**

**IMDG**                      **Marine Pollutant:**  
reference :

### 14.6. Special precautions for user

No further information

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## 15. Regulatory information

The product and all its components complies with these local regulations:

NICNAS - Australia  
EPA - New Zealand

|                             |   |
|-----------------------------|---|
| <b>Korean OHS Act</b>       | See Section 2   |
| <b>Toxic Substances Act</b> | Not Toxic   |
| <b>Dangerous Goods Act</b>  | Class 4 Flammable Liquid, 1st Petroleum Division, Hazard Class II |
| <b>Waste Control Act</b>    | Hazardous Waste   |

## 16. Other information

The information on this SDS is based upon the present state of our knowledge and on current law. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Safety Data Sheet is required according to legislation.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness and dizziness.

H350 May cause cancer.

H360Df May damage the unborn child. Suspected of damaging fertility.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**This SDS is valid for 5 years from the revised date on page 1.  
The revision date is in American format (e.g. MM/DD/YY).**

End of document



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.