

**Safety Data Sheet**
**EPA725 INTERGARD 400 DARK GRAY PART A**
**Version Number 1 Revision Date 07/06/13**
**1. Product and company identification**

<b>1.1. Product identifier</b>	INTERGARD 400 DARK GRAY PART A
Product Code	EPA725
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
Intended use	Refer Technical Data Sheet. For professional use only.
Application Method	Refer Technical Data Sheet.
<b>1.3. Details of the supplier of the safety data sheet</b>	
<b>Manufacturer</b>	International Paint Singapore Pte Ltd 3 Neythal Road Jurong Town Singapore 628570

<b>Telephone No.</b>	+65 6261 5033
<b>Fax No.</b>	+65 6264 4612
<b>1.4. Emergency telephone number</b>	+65 6261 5033
<b>For Poisons Advice telephone</b>	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 substances that present a hazard within the meaning of the Workplace Safety and Health Act.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Iron oxide CAS Number: 0001309-37-1	25-50		[1][2]
Epoxy resin	10-25	Eye Irrit. 2;H319	[1]

CAS Number: Not Available		Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	
Xylene CAS Number: 0001330-20-7	10-25	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315	[1][2]
Butanol CAS Number: 0000071-36-3	2.5-10	Flam. Liq. 3;H226 Acute Tox. 4;H302 STOT SE 3;H335 Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H336	[1][2]
Ethylbenzene CAS Number: 0000100-41-4	2.5-10	Flam. Liq. 2;H225 Acute Tox. 4;H332	[1][2]
Titanium dioxide CAS Number: 0013463-67-7	1-2.5		[1][2]
Butylated Urea Formaldehyde Resin CAS Number: 0068002-19-7	1-2.5	Aquatic Chronic 4;H413	[1]
Quartz CAS Number: 0014808-60-7	1-2.5	Acute Tox. 4;H332 STOT RE 2;H373	[1][2]

[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 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 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

From the listed Exposure Standards for Atmospheric Contaminants given in the Workplace Safety and Health (General Provisions) Regulations.

Material	PEL (Short Term)		PEL (Long Term)		Comments
	ppm	mg/m <sup>3</sup>	ppm	mg/M3	
Butanol	50	152	-	-	
Ethylbenzene	125	543	100	434	
Iron oxide	-	-	-	5	
Quartz	-	-	-	0.1	
Magnesium silicate talc	-	-	-	2	
Titanium dioxide	-	-	-	10	
Xylene	150	651	100	434	

(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 ( Xylene )  
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 (C)**  
**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
Butanol - (71-36-3)	2,292.00, Rat	3,430.00, Rabbit	Not Available	Not Available
Butylated Urea Formaldehyde Resin - (68002-19-7)	Not Available	Not Available	Not Available	Not Available
Epoxy resin - (Not Available)	2,000.00, Rat	2,000.00, Rabbit	Not Available	Not Available
Ethylbenzene - (100-41-4)	3,500.00, Rat	15,433.00, Rabbit	17.20, Rat	Not Available
Iron oxide - (1309-37-1)	10,000.00, Rat	Not Available	Not Available	Not Available
Quartz - (14808-60-7)	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
Iron oxide - (1309-37-1)	Not Available	Not Available	Not Available
Epoxy resin - (Not Available)	3.10, Pimephales promelas	1.40, Daphnia magna	Not Available
Xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Butylated Urea Formaldehyde Resin - (68002-19-7)	Not Available	Not Available	Not Available
Quartz - (14808-60-7)	Not Available	Not Available	Not Available

### 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 complies with these local regulations.

## 16. Other information

The information on this SDS is based upon the present state of our knowledge and on current laws. 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 full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

**This is the first revision of this SDS format, changes from previous revision not applicable.**

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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.