

**Safety Data Sheet**
**EK5040H INTERGARD 621 DARK GREY PART A**
**Version Number 1 Revision Date 07/06/13**
**1. Product and company identification**

- 1.1. Product identifier** INTERGARD 621 DARK GREY PART A  
 Product Code EK5040H
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
 Intended use Refer Technical Data Sheet.  
 For professional use only.  
 Application Method Refer Technical Data Sheet.
- 1.3. Details of the supplier of the safety data sheet**  
**Manufacturer** International Paint Singapore Pte Ltd  
 3 Neythal Road  
 Jurong Town  
 Singapore 628570

- Telephone No.** +65 6261 5033  
**Fax No.** +65 6264 4612  
**1.4. Emergency telephone number** +65 6261 5033  
**For Poisons Advice telephone** 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
Epoxy resin CAS Number: Not Available	10-25	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317	[1]

		Aquatic Chronic 2;H411	
Xylene CAS Number: 0001330-20-7	2.5-10	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315	[1][2]
Methyl isoamyl ketone CAS Number: 0000110-12-3	2.5-10	Flam. Liq. 3;H226 Acute Tox. 4;H332	[1][2]
Titanium dioxide CAS Number: 0013463-67-7	2.5-10		[1][2]
Methyl isobutyl ketone CAS Number: 0000108-10-1	1-2.5	Flam. Liq. 2;H225 Acute Tox. 4;H332 Eye Irrit. 2;H319 STOT SE 3;H335	[1][2]
Ethylbenzene CAS Number: 0000100-41-4	1-2.5	Flam. Liq. 2;H225 Acute Tox. 4;H332	[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	
Carbon black	-	-	-	3.5	
Ethylbenzene	125	543	100	434	
Methyl isoamyl ketone	-	-	50	234	
Methyl isobutyl ketone	75	307	50	205	
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: 1.05 ( Methyl isoamyl ketone )

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
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
Methyl isoamyl ketone - (110-12-3)	3,200.00, Rat	8,110.00, Rabbit	Not Available	Not Available
Methyl isobutyl ketone - (108-10-1)	2,080.00, Rat	16,000.00, Rabbit	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
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
Methyl isoamyl ketone - (110-12-3)	159.00, Pimephales promelas	560.00, Daphnia magna	920.00 (72 hr), Chlorococcales
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Methyl isobutyl ketone - (108-10-1)	505.00, Pimephales promelas	1,550.00, Daphnia magna	980.00 (48 hr), Scenedesmus subspicatus
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata

### 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:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

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.

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.