

**Safety Data Sheet****ENA300B INTERSHIELD 300 BRONZE PART A**

Version No 7 Revision Date 01/14/16

**1. Product and company identification****1.1. Product identifier** INTERSHIELD 300 BRONZE PART A

Product Code ENA300B

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

Intended use 0600377 (Unknown)

For professional use only.

Application Method Refer Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet****Importer or****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 (24 hour)** 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.

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Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Epoxy Resin liquid CAS Number: 0025036-25-3	30- <40	Eye Irrit. 2;H319 Skin Irrit. 2;H315, Skin Sens. 1;H317	[1]
Talc CAS Number: 0014807-96-6	20- <30		[1][2]
Xylene CAS Number: 0001330-20-7	10- <20	Flam. Liq. 3;H226 Acute Tox. 4;H312 Acute Tox. 4;H332 Skin Irrit. 2;H315 Eye Dam. 2A;H319 STOT SE 3;H336 STOT RE 1;H372	[1][2]
n-Butanol CAS Number: 0000071-36-3	10- <20	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]
Aluminium, alkyls CAS Number: 0007429-90-5	5- <10	Water react. 2;H261 Pyr. Sol. 1;H250	[1][2]
Solvent naphtha (petroleum), light aromatic CAS Number: 0064742-95-6	2.5- <5	Asp. Tox. 1;H304	[1]
Ethyl Benzene CAS Number: 0000100-41-4	2.5- <5	Flam. Liq. 2;H225 Acute Tox. 4;H332 STOT RE 2;H373 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335	[1][2]
Silica (quartz) CAS Number: 0014808-60-7	1- <2.5	Acute Tox. 4;H332 STOT RE 2;H373	[1][2]
Trade secret	2.5- <5	---	---

[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	
Aluminium, alkyls				2	
Ethyl Benzene	125	545	100	435	
n-Butanol			C50	C150	
Silica (quartz)				0.1	
Talc				2	
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 ( 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
Aluminium, alkyls - (7429-90-5)	Not Available	Not Available	Not Available	Not Available
Epoxy Resin liquid - (25036-25-3)	Not Available	Not Available	Not Available	Not Available
Ethyl Benzene - (100-41-4)	3,500.00, Rat	15,433.00, Rabbit	17.20, Rat	Not Available
n-Butanol - (71-36-3)	2,292.00, Rat	3,430.00, Rabbit	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
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 liquid - (25036-25-3)	Not Available	Not Available	Not Available
Talc - (14807-96-6)	Not Available	Not Available	Not Available
Xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
n-Butanol - (71-36-3)	1,376.00, Pimephales	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus

	promelas		
Aluminium, alkyls - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	Not Available
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Ethyl Benzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Silica (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

This product and all its components complies with the chemical and transport regulations from the country listed in section 1.3.

Other regulatory information specific to the hazardous chemical(s):

**Dangerous Goods Act**            Class 4 Flammable Liquid, 2nd Petroleum Division, hazard class III

**Waste Control Act**            Hazardous Waste

### KOSHA

**Please see section 8 in this MSDS for Harmful Factors Subject to Exposure Limit.**

0600377 (Unknown)

n-Butanol (0000071-36-3)

Aluminium, alkyls (0007429-90-5)

Silica (quartz) (0014808-60-7)

Ethyl Benzene (0000100-41-4)

Talc (0014807-96-6)

0600377 (Unknown)

Silica (quartz) (0014808-60-7)

Ethyl Benzene (0000100-41-4)

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n-Butanol (0000071-36-3)

Aluminium, alkyls (0007429-90-5)

Ethyl Benzene (0000100-41-4)

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Aluminium, alkyls (0007429-90-5)

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Xylene (0001330-20-7)

0600377 (Unknown)

0600377 (Unknown)

### Toxic Substances Act

0600377 (Unknown)

0600377 (Unknown)

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Aluminium, alkyls (0007429-90-5)

Ethyl Benzene (0000100-41-4)

Xylene (0001330-20-7)

0600377 (Unknown)

0600377 (Unknown)

0600377 (Unknown)

Talc (0014807-96-6)

## 16. Other information

**Revision Date:** 01/14/2016

**Version:** 7

**Initial Date:** 10/07/2005

This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS.

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:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gases.

H302 Harmful if swallowed.

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.

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.

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

**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.