ENA380_A3

Safety Data Sheet INTERSHIELD 300HS BRONZE PART A Bulk Sales Reference No.: SDS Revision Date: SDS Revision Number:

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X.International.

1. Identification	n of the preparation and company
1.1. Product identifier	
Product Identity	INTERSHIELD 300HS BRONZE PART A
Bulk Sales Reference Number	ENA380
1.2. Relevant identified uses of the substance	or mixture and uses advised against
Intended Use	See Technical Data Sheet.
Application Method	See Technical Data Sheet.
1.3. Details of the supplier of the safety data s	heet
Company Name	International Paint Ltda ARGENTINA: Ruta Panamericana Km 37,5 Garin, Buenos Aires PO Box: B1606DQE AKZONOBEL CHILE: Calle Limache 3363 Local 3, El Salto Viña del Mar, Chile C.P. 2520642 - Rut 76.048140-8 BRAZIL: Avenida Paiva, 999 - Neves Sao Goncalo, RJ
Emergency Suatrans Cotec	24426-148 Brazil 0800 7071 767 or 0800 7077 022 or 0800 172020 or
International Paint	55*2*7500 (24 hr) ARGENTINA: +54 3327 44 7777 CHILE: +56 32 267 1174 BRAZIL: +55 21 2199-7100
Poison Control Center (Brazil)	0800-0148110 or +55 11 3069-8800
Medical Service (Argentina)	+54 3327 44 7144 or +54 3327 44 7282
Firefighter/HSE (Argentina)	+54 3327 44 7123
Customer Service	ARGENTINA: +54 3327 44 7777 Fax: +54 3327 44 7738
	CHILE: +56 32 267 1174 Fax: +56 32 263 1496 BRAZIL:
	+55 21 2199-7100 Fax: +55 21 2199-7124
2. Hazard	l identification of the product

2.1. Classification of the substance or mixture Flam. Liq. 3;H226 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Acute 2;H401 Aquatic Chronic 3;H412 2.2. Label elements

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



H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P260 Do not breathe mist / vapours / spray.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P262 Do not get in eyes, on skin, or on clothing.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+352 IF ON SKIN: Wash with soap and water.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P331 Do NOT induce vomiting.

P333+313 If skin irritation or a rash occurs: Get medical advice/attention.

P337 If eye irritation persists:.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P370 In case of fire: Use water spray, fog, or regular foam...

P403+233 Store in a well ventilated place. Keep container tightly closed.

P501 Dispose of contents / container in accordance with local / national regulations.

Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %
Talc CAS Number: 0014807-96-6	25 - 50
Reaction of epichlorohydrin and bisphenol A CAS Number: Proprietary	10 - 25
Epoxy Resin CAS Number: 0025068-38-6	10 - 25
Aluminum CAS Number: 0007429-90-5	10 - 25
Petroleum naphtha CAS Number: 0064742-95-6	1.0 - 10
Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7	1.0 - 10
Butanol CAS Number: 0000071-36-3	1.0 - 10
Glycidoxypropyltrimethoxysilane CAS Number: 0002530-83-8	1.0 - 10

4.1. Description of first aid measures

4. First aid measures

6.3. Methods and mate Clean Up Method	erial for containment and cleaning up Cover with sand or other non-cumbustible material. Transfer absorbed material with a non-sparking tool.
6.3. Methods and mate	rial for containment and cleaning up
	transfer to containers. Use non-sparking tools to collect absorbed material.
Precations	basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and
Environmental	Stop leak if you can do so without risk. Prevent entry into waterways, sewers,
6.2. Environmental pre	non-sparking tools to collect absorbed material. cautions
	earth, sand, or other non-combustible material and transfer to containers. Use
	without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry
	initial downwind evacuation for at least 300 meters. Stop leak if you can do so
	to 50 meters in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider
· · · · · · · · · · · · · · · · ·	(24 hr) for emergency response. Isolate spill or leak area immediately for at least 25
Public Safety	absorbent. Do not touch or walk through spilled material. Call Suatrans Cotec 0800 7071 767 or 0800 7077 022 or 0800 17 2020 or 55*2*7500
Personal precautions	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and
•	ons, protective equipment and emergency procedures
	6. Accidental release measures
Firefighter Protection	In fire case, to use personal respiratory device and suits for protection.
5.3. Advice for fire-fight	ters
	cool containers near the fire. Keep runoff from entering sewer. Extinguishing water must be disposed according to local legislation.
Special Methods	Evacuate the area and to fight the fire at a safe distance upwind. Use water in fog to
5.2. Special hazards ar	rising from the substance or mixture
Specific Hazards	Can liberate toxic fumes or gases during the burning. For decomposition see section 10.
Extinguishing Methods	
Extinguishing Methods Inappropriate	Direct water spray into fire
Appropriate	Water in form of fog, Co2, foam or dry chemical dust.
5.1. Extinguishing med	· · ·
	depends on duration and level of exposure. 5. Fire-fighting measures
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer
-	drowsiness.
Ingestion	through the skin. Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or
Skin	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
	Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
-	overexposure to solvents with permanent brain and nervous system damage.
4.2. Most important syn Overview	NOTICE: Reports have associated repeated and prolonged occupational
4.2. Most important sv	by mouth to an unconscious person. mptoms and effects, both acute and delayed
Ingestion	induce vomiting unless instructed to do so by medical personnel. Never give anything
	attention immediately. If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT
Skin	Get medical attention immediately. In case of contact, immediately flush skin with soap and plenty of water. Get medical
Eyes	difficult, give oxygen. Get medical attention immediately. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
nhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is
General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

7.1. Precautions for safe handling

Handle the packages with care in order to avoid damage and spillage.

Be aware of the precautions referred to on the label.

Avoid contact with the eyes and the skin. Avoid swallowing of vapor and the pulverizations. Be aware of the precautions referred to on the label. Use personal protection equipment according to the section 8. No smoking, drinking or eating in the application areas.

All the ignition sources (hot surfaces, sparks, unprotected flames, etc.) must be excluded from the areas of manufacturing and application. The storage areas, the preparation and the application must be well ventilated. The product can be carried electrostatically. Always use grounding cables when transferring solvents or product. The operators must use adequate outfits which shall not develop static current. (at least 60% of natural fiber) and anti-static shoes.

Solvents based products: The solvent vapors are heavier than the air and can concentrate on the floor and explosive mixtures may be formed with the air .

Water based products: It does not require special cares for not being inflammable or explosive. Use only the indicated personal protection equipments.

7.2. Conditions for safe storage, including any incompatibilities Store between 40-100F (4-38C).

	8. Exposure co	ntrols and	personal protection
		Control pa	· · ·
		Exposu	re
CAS No.	Ingredient	Source	Value
0000071-36-3	Butanol	ACGIH	20 ppm TWA
		Brazil	40 ppm TWA LT; 115 mg/m3 TWA LT
0001330-20-7	Xylenes (o-, m-, p- isomers)	ACGIH	100 ppm TWA150 ppm STEL
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0002530-83-8	Glycidoxypropyltrimethoxysilane	ACGIH	
		Brazil	
0007429-90-5	Aluminum	ACGIH	1 mg/m3 TWA (respirable fraction)
		Brazil	
0014807-96-6 Talc	ACGIH	2 mg/m3 TWA (particulate matter containing no asbestos and	
		Brazil	
0025068-38-6		ACGIH	
		Brazil	
Proprietary	him han at A	ACGIH	
		Brazil	
0064742-95-6	Petroleum naphtha	ACGIH	
		Brazil	

	Health Data			
CAS No.	Ingredient	Source	Value	
0000071-36-3	Butanol	NIOSH	Eye and mucous membrane irritation CNS depression	
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation	
0002530-83-8	Glycidoxypropyltrimethoxysilane	NIOSH		
0007429-90-5	Aluminum		Lung changes that may lead to pulmonary fibrosis; respiratory and skin irritation	
0014807-96-6	Talc	NIOSH	(containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects	
0025068-38-6	Epoxy Resin	NIOSH		
Proprietary	Reaction of epichlorohydrin and bisphenol A	NIOSH		
0064742-95-6	Petroleum naphtha	NIOSH		

	(Carcinoge	n Data
CAS No.	Ingredient	Source	Value

0000071-36-3	Butanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0002530-83-8	Glycidoxypropyltrimethoxysilane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007429-90-5 Aluminum	Aluminum	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014807-96-6	Talc	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0025068-38-6	Epoxy Resin	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Reaction of epichlorohydrin and bisphenol A	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-95-6	Petroleum naphtha	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory Protection	Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.
Eye and face protection	Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 8 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin and body protection	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 8 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Special Precations	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.
	9. Physical and chemical properties
Appearance	Metallic Coloured Liquid
Odour threshold	Not Measured
рН	No Established Limit

Melting point / freezing point Initial boiling point and boiling range Flash Point Evaporation rate (Ether = 1)	Not Measured No Established Limit (°C) No Established Limit(°F) 42 (°C) 107.6 (°F) Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: .8
	Upper Explosive Limit: No Established Limit
Vapour pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	1.43
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	No Established Limit Not Measured
VOC %	Refer to the Technical Data Sheet or label where information is available.

10.1. Reactivity

10. Stability and reactivity

Keep away from alkaline or strong strong acid to prevent probable exothermal reactions.

10.2. Chemical stability

This product is stable

10.3. Possibility of hazardous reactions

Dangerous Polymerization will not occur. Heat and vapors in excess can be generated when inproperly used. 10.4. Conditions to avoid

Keep away from alkaline or strong strong acid to prevent probable exothermal reactions.

Strong oxidizing agents

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Can liberate toxic vapors in the welding process. The vapors can produce Dioxide and Monoxide of Carbon. 11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Sections 3 and 8 for chemical specific data.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Talc - (14807-96-6)	No data available	No data available	No data available	No data available
Reaction of epichlorohydrin and bisphenol A - (Proprietary)	No data available	No data available	No data available	No data available
Epoxy Resin - (25068-38-6)	2,000.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	No data available
Aluminum - (7429-90-5)	No data available	No data available	No data available	No data available
Petroleum naphtha - (64742-95-6)	6,800.00, Rat - Category: NA	3,400.00, Rabbit - Category: 5	No data available	No data available
Xylenes (o-, m-, p- isomers) - (1330-20-7)	4,299.00, Rat - Category: 5	1,548.00, Rabbit - Category: 4	20.00, Rat - Category: 4	No data available

Butanol - (71-36-3)	2,292.00, Rat - Category: 5	3,430.00, Rabbit - Category: 5	No data available	No data available
Glycidoxypropyltrimethoxysilane - (2530-83-8)	8,030.00, Rat - Category: NA	4,248.00, Rabbit - Category: 5	No data available	5.30, Rat - Category: NA

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	2	Causes skin irritation.
Eye damage/irritation	2	Causes serious eye irritation.
Sensitization (respiratory)		Not Applicable
Sensitization (skin)	1	May cause an allergic skin reaction.
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity		Not Applicable
Reproductive Toxicity		Not Applicable
Specific target organ systemic toxicity (single exposure)		Not Applicable
Specific target organ systemic Toxicity (repeated exposure)		Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 199/45/CE and is classified according to the same as for the environment. For details, see sections 8 and 11. There are no data available on the product. Avoid contamination of drains or watercourses

12. Ecological information

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Talc - (14807-96-6)	Not Available	Not Available	Not Available
Reaction of epichlorohydrin and bisphenol A - (Proprietary)	Not Available	Not Available	0.00 (hr),
Epoxy Resin - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	Not Available
Aluminum - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	Not Available
Petroleum naphtha - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
Xylenes (o-, m-, p- isomers) - (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
Glycidoxypropyltrimethoxysilane - (2530-83-8)	55.00, Cyprinus carpio	473.00, Daphnia magna	255.00 (72 hr), Scenedesmus subspicatus

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

		13. Disposal cons	iderations			
13.1. Waste treatment	methods					
General Mathead of two stresses		Note: Disposal must be in accordance with the federal, state and local regulations.				
Method of treatment and disposal	Product: The treatment and the disposal of the product must in accordance the local legislation.					
	Remaining portions of the product: Residues that will not be used must be discarded					
		ordance the local legislation. opriate or discard in accorda	Used packing: Do not reuse the packing. Recycle			
	п аррг	14. Transport info				
14.1. UN number		Not Regulated				
14.2. UN proper shippi	ing name	e Not Regulated				
14.3. Transport hazard	d class(e	s)				
Domestic Surf	ace Tran	sportation	IMO / IMDG (Ocean Transportation)			
Domestic Surface Trans Proper Shipping		Not Regulated	IMDG Proper			
Name	-19		Shipping Name			
Hazard Cla	SS		IMDG Hazard Class Not Regulated			
UN / NA Nu		Not Regulated	UN / NA Number Not Regulated			
Packaging			IMDG Packing Group Not Regulated			
CERCLA/D	OT RQ	200 gal. / 2390 lbs.	System Reference 1237 Code			
Risk Number			EMS			
			Marine Pollutant No			
Air Transport (IC	AO-ITI /	IATA-DGR)				
Proper Ship Name	oping	Not Regulated				
Hazard Cla	SS					
UN / NA Number Not Regulated						
Packaging	Group					
14.4. Packing group		Not Regulated				
14.5. Environmental hazards						
IMDG Marin	e Polluta	Int: No				
14.6. Special precaution	ons for u	ser				
	pplicable 					
		ng to Annex II of MARPOL73	78 and the IBC Code			
NOT A	pplicable	15. Regulatory int	formation			
Regulatory Overview	Decret		ding the Safety in the Utilization of Chemical			
Products at Work.						
Act # 96.044 of 18/05/88. Regulations of Road Transport of Dangerous Produ Decreto 1.797, of 25/01/1996, Bill of Hazardous Products in the Mercosul rar						
			004: complementary instructions to the Regulation			
of Road Transport of Hazardous Products.						
Decreto 3214 of MTE NBR 7500: Identification for the road transport, the handling, the moving a						
	storag	storage of products.				
		NBR 7501: Terminology Transport of Hazardous Products.				
	NBR 7503: Road transport of hazardous products emergency form and envelope Features, dimensions and filling.					
	NBR 9	BR 9735: Set of equipments for Emergency in the Road Transport of Hazardous				
	Produc		ents of this product are listed on the TSCA (Toxic r are not required to be listed on the TSCA			
	Invent	, ,				
		•				

16. Other information

The information contained in this Material Safety Data Sheet (MSDS) has the purpose of being a description of the product safety requirements, which were obtained from the literature and current legislation specific about raw materials/ingredients. Thus, the accuracy of the data contained herein is not, expressly or implicitly, assured by the Manufacturer. The product shall not be used for purposes other than the ones specified by the Manufacturer. The user is always liable for taking all required measures to comply with the provisions in this MSDS, as well as with the requirements expressed in the regulations and effective legislation.

Bibliographic references:

- Council Directive 67/548/EEC of June 27, 1967.

- Work and Job department clause # 3.214 of June 08, 1978.

- ABNT NBR 14725 (parts I,II,III and IV) Chemical products Information on safety, health and environment.

Specific use: product meant only for professional use, check the product data sheet.

CAS: Chemical Abstract Service register number lt s a register number indicated by the American Chemical Society, which identifies only a specific chemical component.

ENA380_A3 End of Document



Your attention is drawn to the disclaimer on the Product Data Sheet which with this Safety Data Sheet and the package labelling comprise an integral information system about this product. Copies of the Product Data Sheet are available from International Paint on request or from our Internet sites : www.yachtpaint.com , www.international-marine.com, www.international-pc.com