KRA595_A3

Safety Data Sheet

INTERBOND 998PB ALUMINIO - COMP.A

Bulk Sales Reference No.: KRA595 SDS Revision Date: 02/16/2016 SDS Revision Number: A3



1. Identification of the preparation and company

1.1. Product identifier

Product Identity INTERBOND 998PB ALUMINIO - COMP.A

Bulk Sales Reference Number KRA595

1.2. Relevant identified uses of the substance or mixture and uses advised against
 Intended Use
 Application Method
 See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

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 24426-148 Brazil

Emergency

Suatrans Cotec 0800 7071 767 or 0800 7077 022 or 0800 172020 or

55*2*7500 (24 hr)

International Paint 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:

r Service **ARGENTINA:** +54 3327 44 7777 Fax: +54 3327 44 7738

CHII F

+56 32 267 1174 Fax: +56 32 263 1496

BRAZIL:

+55 21 2199-7100 Fax: +55 21 2199-7124

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 3;H316 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Acute 2;H401

2.2. Label elements

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



H227 Combustible liquid.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

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.

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.

P332+313 If skin irritation occurs: Get medical advice/attention.

P333 If skin irritation or a rash occurs:.

P337 If eye irritation persists:.

P363 Wash contaminated clothing before reuse.

P370+376 In case of fire: Stop leak if safe to do so.

P403+235 Store in a well ventilated place. Keep cool.

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

3. 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.

Ingredie	Weight %	
Reaction of epich CAS Number:	lorohydrin and bisphenol A Proprietary	50 - 75
Talc CAS Number:	0014807-96-6	10 - 25
Barium sulfate CAS Number:	0007727-43-7	1.0 - 10
Oxirane, mono[(C CAS Number:	:12-14-alkyloxy)methyl] derivs. 0068609-97-2	1.0 - 10
Aluminum CAS Number:	0007429-90-5	1.0 - 10
, ,	resin and bisphenol A 0025036-25-3	1.0 - 10
OXIRANE, 2,2'-[(2,2-DIMETH CAS Number:	HYL-1,3-PROPANEDIYL)BIS(O 0017557-23-2	1.0 - 10
Petroleum naphth CAS Number:		1.0 - 10
Glycidoxypropyltri CAS Number:		0.10 - 1.0

4. First aid measures

4.1. Description of first aid measures

General

Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. Get medical attention immediately.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Get medical attention immediately.

Skin In case of contact, immediately flush skin with soap and plenty of water. Get medical

attention immediately.

If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT

induce vomiting unless instructed to do so by medical personnel. Never give anything

by mouth to an unconscious person.

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

Overview 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. Avoid contact with eyes, skin and clothing.

Inhalation Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or

nervous system causing dizziness, headache or nausea.

Eyes Causes severe eye irritation. Avoid contact with eyes.

Skin Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed

through the skin.

Ingestion Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or

drowsiness.

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

depends on duration and level of exposure.

5. Fire-fighting measures

5.1. Extinguishing media

Appropriate Water in form of fog, Co2, foam or dry chemical dust.

Extinguishing Methods

Inappropriate

Direct water spray into fire

Extinguishing Methods

Specific Hazards

Can liberate toxic fumes or gases during the burning. For decomposition see section

10.

5.2. Special hazards arising from the substance or mixture

Special Methods Evacuate the area and to fight the fire at a safe distance upwind. Use water in fog to

cool containers near the fire. Keep runoff from entering sewer. Extinguishing water must be disposed according to local legislation.

must be disposed according to local legislation

5.3. Advice for fire-fighters

Firefighter Protection In fire case, to use personal respiratory device and suits for protection.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

immediate area). Use only non-sparking equipment to handle spilled material and

absorbent. Do not touch or walk through spilled material.

Public Safety Call Suatrans Cotec 0800 7071 767 or 0800 7077 022 or 0800 17 2020 or 55*2*7500

(24 hr) for emergency response. Isolate spill or leak area immediately for at least 25 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 initial downwind evacuation for at least 300 meters. Stop leak if you can do so 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 earth, sand, or other non-combustible material and transfer to containers. Use

non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Environmental Stop leak if you can do so without risk. Prevent entry into waterways, sewers, Precations basements or confined areas. A vapor suppressing foam may be used to redu

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

transfer to containers. Use non-sparking tools to collect absorbed material.

6.3. Methods and material for containment and cleaning up

Clean Up Method Cover with sand or other non-cumbustible material. Transfer absorbed material with a

non-sparking tool.

7. Handling and storage

7.1. Precautions for safe handling

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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 controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0002530-83-8	Glycidoxypropyltrimethoxysilane	ACGIH	
		Brazil	
0007429-90-5	Aluminum	ACGIH	1 mg/m3 TWA (respirable fraction)
		Brazil	
0007727-43-7	Barium sulfate	ACGIH	10 mg/m3 TWA
		Brazil	
0014807-96-6	Talc	ACGIH	2 mg/m3 TWA (particulate matter containing no asbestos and
		Brazil	
0017557-23-2		ACGIH	
		Brazil	
0025036-25-3	Polymer of epoxy resin and bisphenol A	ACGIH	
		Brazil	
Proprietary	Reaction of epichlorohydrin and bisphenol A	ACGIH	
		Brazil	
0064742-95-6	Petroleum naphtha	ACGIH	
		Brazil	
0068609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	ACGIH	
		Brazil	

Health Data

CAS No.	Ingredient	Source	Value
0002530-83-8	Glycidoxypropyltrimethoxysilane	NIOSH	
0007429-90-5	Aluminum		Lung changes that may lead to pulmonary fibrosis; respiratory and skin irritation
0007727-43-7	Barium sulfate	NIOSH	Eye nose
0014807-96-6	Talc		(containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects
0017557-23-2	OXIRANE, 2,2'-[(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(O	NIOSH	
0025036-25-3	Polymer of epoxy resin and bisphenol A	NIOSH	
Proprietary	Reaction of epichlorohydrin and bisphenol A	NIOSH	
0064742-95-6	Petroleum naphtha	NIOSH	
0068609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	NIOSH	_

Carcinogen Data

CAS No.	Ingredient	Source	Value
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	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;
0007727-43-7	Barium sulfate	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;
0017557-23-2	OXIRANE, 2,2'-[(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(O		Select Carcinogen: No
			Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025036-25-3	Polymer of epoxy resin and bisphenol A		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;
0068609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	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 Avoid contact with eyes. Protective equipment should be selected to provide protection protection from exposure to the chemicals listed in Section 8 of this document

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 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, bods, head and face protection may be

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
pH No Established Limit
Melting point / freezing point Not Measured
Initial boiling point and boiling range
Flash Point Sequence (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive

limits

Lower Explosive Limit: 1

Upper Explosive Limit: No Established Limit

Vapour pressure (Pa) Not Measured
Vapor Density Heavier than air

Specific Gravity 1.41

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. Stability and reactivity

10.1. 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
Reaction of epichlorohydrin and bisphenol A - (Proprietary)	No data available	No data available	No data available	No data available
Talc - (14807-96-6)	No data available	No data available	No data available	No data available
Barium sulfate - (7727-43-7)	3,000.00, Mouse - Category: 5	No data available	No data available	No data available

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Oxirane, mono[(C12-14-alkyloxy)methyl] derivs (68609-97-2)	No data available	No data available	No data available	No data available
Aluminum - (7429-90-5)	No data available	No data available	No data available	No data available
Polymer of epoxy resin and bisphenol A - (25036-25-3)	No data available	No data available	No data available	No data available
OXIRANE, 2,2'-[(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(O - (17557-23-2)	4,500.00, Rat - Category: 5	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
Glycidoxypropyltrimethoxysilane - (2530-83-8)	8,030.00, Rat - Category: NA	4,248.00, Rabbit - Category: 5	No data available	5.30, Rat - Category: NA

ltem	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	3	Causes mild 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. Ecological information

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

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Reaction of epichlorohydrin and bisphenol A - (Proprietary)	Not Available	Not Available	0.00 (hr),
Talc - (14807-96-6)	Not Available	Not Available	Not Available
Barium sulfate - (7727-43-7)	59,000.00, Poecilia sphenops	32.00, Daphnia magna	Not Available
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs (68609-97-2)	Not Available	Not Available	Not Available
Aluminum - (7429-90-5)	0.12, Oncorhynchus mykiss	3.50, Daphnia magna	Not Available
Polymer of epoxy resin and bisphenol A - (25036-25-3)	Not Available	Not Available	Not Available
OXIRANE, 2,2'-[(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(O - (17557-23-2)	Not Available	Not Available	Not Available

Petroleum naphtha - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
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

and disposal

12	Dienocal	considerations
IO.	DISDUSAL	Considerations

13.1. Waste treatment methods

General

Method of treatment

Note: Disposal must be in accordance with the federal, state and local regulations. 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 in accordance the local legislation. Used packing: Do not reuse the packing. Recycle

if appropriate or discard in accordance the local legislation.

14. Transport information

14.1. UN number UN3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 14.2. UN proper shipping name

N.O.S.

14.3. Transport hazard class(es)

Domestic Surface Transportation

Proper Shipping **ENVIRONMENTALLY** Name **HAZARDOUS** SUBSTANCE,

LIQUID, N.O.S.

Hazard Class

UN / NA Number UN3082 Packaging Group

CERCLA/DOT RQ 1094 gal. / 12821 lbs.

Risk Number 90

Air Transport (ICAO-ITI / IATA-DGR)

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S.

Hazard Class UN3082 UN / NA Number Packaging Group Ш

14.4. Packing group Ш

14.5. Environmental hazards

IMDG Marine Pollutant: No IMO / IMDG (Ocean Transportation)

IMDG Proper **ENVIRONMENTALLY** Shipping Name **HAZARDOUS**

SUBSTANCE, LIQUID, N.O.S.

IMDG Hazard Class 9 - Miscellaneous dangerous substance

and articles UN / NA Number UN3082

IMDG Packing Ш Group

System Reference

Code **EMS**

F-A,S-F Marine Pollutant No

265

14.6. Special precautions for user

Not Applicable

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

Not Applicable

15. Regulatory information

Regulatory Overview

Decreto 2.657, from 3/07/98, regarding the Safety in the Utilization of Chemical Products at Work.

Act # 96.044 of 18/05/88. Regulations of Road Transport of Dangerous Products. Decreto 1.797, of 25/01/1996, Bill of Hazardous Products in the Mercosul range. Resolution ANTT # 420, of 12/02/2004: 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 and the 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 9735: Set of equipments for Emergency in the Road Transport of Hazardous Products Procedures. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA

Inventory.

WHMIS Classification B3 D2B

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.

Chemical Society, which identifies only a specific chemical component.

> KRA595 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