

Safety Data Sheet
 INTERTHANE 990 CINZA N-5,0

Bulk Sales Reference No.: PHO618
 SDS Revision Date: 09/29/2015
 SDS Revision Number: A3



1. Identification of the preparation and company

1.1. Product identifier

Product Identity INTERTHANE 990 CINZA N-5,0
 Bulk Sales Reference Number PHO618

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 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:

+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 identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226
 Skin Irrit. 2;H315
 Eye Irrit. 2;H319
 Aquatic Chronic 3;H412

2.2. Label elements

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



Warning.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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.

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

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.

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash 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.

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.

| Ingredient/Chemical Designations | Weight % |
|---|----------|
| Limestone CAS Number: 0001317-65-3 | 10 - 25 |
| Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7 | 10 - 25 |
| Titanium dioxide CAS Number: 0013463-67-7 | 1.0 - 10 |
| Propylene glycol monomethyl ether acetate CAS Number: 0000108-65-6 | 1.0 - 10 |
| Benzene, ethyl- CAS Number: 0000100-41-4 | 1.0 - 10 |

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. |
| Ingestion | 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 |
|----------|--|

PHO618_A3

| | |
|-----------------|--|
| | 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 | Risk of serious damage to eyes. Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific condition 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 | Causes skin irritation. May cause delayed skin irritation. 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 Extinguishing Methods | Water in form of fog, Co2, foam or dry chemical dust. |
| Inappropriate Extinguishing Methods | Direct water spray into fire |
| 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. |
|-----------------|---|

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

| | |
|----------------------|---|
| 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 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 Precautions | 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. |
|---------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|---|
| Clean Up Method | Cover with sand or other non-combustible material. Transfer absorbed material with a non-sparking tool. |
|-----------------|---|

7. Handling and storage

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

PHO618_A3

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 |
|--------------|---|--------|---------------------------------|
| 0000100-41-4 | Benzene, ethyl- | ACGIH | 20 ppm TWA |
| | | Brazil | 78 ppm TWA LT; 340 mg/m3 TWA LT |
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | ACGIH | |
| | | Brazil | |
| 0001317-65-3 | Limestone | ACGIH | |
| | | Brazil | |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | ACGIH | 100 ppm TWA 150 ppm STEL |
| | | Brazil | 78 ppm TWA LT; 340 mg/m3 TWA LT |
| 0013463-67-7 | Titanium dioxide | ACGIH | 10 mg/m3 TWA |
| | | Brazil | |

Health Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000100-41-4 | Benzene, ethyl- | NIOSH | Eye skin |
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | NIOSH | |
| 0001317-65-3 | Limestone | NIOSH | Eye and skin irritation Physical irritation |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | NIOSH | Central nervous system depressant; respiratory and eye irritation |
| 0013463-67-7 | Titanium dioxide | NIOSH | Lung tumors in animals |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000100-41-4 | Benzene, ethyl- | OSHA | Select Carcinogen: Yes |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | 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; |
| 0001317-65-3 | Limestone | 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; |
| 0013463-67-7 | Titanium dioxide | OSHA | Select Carcinogen: Yes |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; 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

PHO618_A3

| | |
|--------------------------|--|
| | 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 Precautions | 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 | Grey Liquid |
| Odour threshold | Not Measured |
| pH | No Established Limit |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | No Established Limit (°C) No Established Limit(°F) |
| Flash Point | 34 (°C) 93 (°F) |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: No Established Limit Upper Explosive Limit: No Established Limit |
| Vapour pressure (Pa) | Not Measured |
| Vapor Density | Heavier than air |
| Specific Gravity | 1.19 |
| 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 improperly 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

PHO618_A3

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 |
|--|-------------------------------|----------------------------------|---------------------------------|-------------------------------------|
| Limestone - (1317-65-3) | No data available | No data available | 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 |
| Titanium dioxide - (13463-67-7) | 10,000.00, Rat - Category: NA | 10,000.00, Rabbit - Category: NA | No data available | 6.82, Rat - Category: NA |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 8,532.00, Rat - Category: NA | 5,000.00, Rabbit - Category: 5 | No data available | No data available |
| Benzene, ethyl- - (100-41-4) | 3,500.00, Rat - Category: 5 | 15,433.00, Rabbit - Category: NA | 17.20, Rat - Category: 4 | No data available |

| 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) | | Not Applicable |
| 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 |
|--|---------------------------------|----------------------------|---|
| Limestone - (1317-65-3) | Not Available | Not Available | Not Available |
| Xylenes (o-, m-, p- isomers) - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 100.00, Salmo gairdneri | 500.00, Daphnia magna | Not Available |
| Benzene, ethyl- - (100-41-4) | | 2.93, Daphnia magna | |

PHO618_A3

| | | | |
|--|---------------------------|--|---|
| | 4.20, Oncorhynchus mykiss | | 3.60 (96 hr), Pseudokirchneriella subcapitata |
|--|---------------------------|--|---|

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 considerations |
|-----------------------------|

13.1. Waste treatment methods

| | |
|----------------------------------|---|
| General | 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 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 UN 1263

14.2. UN proper shipping name PAINT

14.3. Transport hazard class(es)

| Domestic Surface Transportation | | IMO / IMDG (Ocean Transportation) | |
|---------------------------------|--------------------|-----------------------------------|---------|
| Proper Shipping Name | PAINT | IMDG Proper Shipping Name | PAINT |
| Hazard Class | 3 | IMDG Hazard Class | 3 |
| UN / NA Number | UN 1263 | UN / NA Number | UN 1263 |
| Packaging Group | III | IMDG Packing Group | III |
| CERCLA/DOT RQ | 87 gal. / 862 lbs. | System Reference Code | 1 |
| Risk Number | 30 | EMS | F-E,S-E |
| | | Marine Pollutant | No |

Air Transport (ICAO-ITI / IATA-DGR)

| | |
|----------------------|---------|
| Proper Shipping Name | PAINT |
| Hazard Class | 3 |
| UN / NA Number | UN 1263 |
| Packaging Group | III |

14.4. Packing group III

14.5. Environmental hazards

IMDG Marine Pollutant: No

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. |
|---------------------|---|

PHO618_A3

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 B2 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.

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

PHO618_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