



PINT.SINTETICA PARA SUELOS VERDE
Code: 0781216



1. IDENTIFICATION OF THE PRODUCT AND COMPANY

- 1.1 Product description: PINT.SINTETICA PARA SUELOS VERDE
Code: 0781216
- 1.2 Intended uses: One-pack performance coating, solvent-borne.
- 1.3 Company: ALP-REVETÓN, S.L.
c/ Francia, 7 - P.I. Pla de Llerona - 08520 - Las Franqueses del Vallès (BCN)
Phone: +34 93 8494010 - Fax: +34 93 8400161
- 1.4 Emergency phone number: +34 93 8494010

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical description:

Mixture of pigments, resins and additives in organic solvents.

2.2 Dangerous ingredients:

Substances taking part in a percentage higher than the exemption limit and presenting a health and/or environment hazard, and/or with a Community workplace exposure limit:

10-25 %	Naphtha (oil), heavy hydrotreated	R10 R65 R66 R67	Xn
	CAS 64742-48-9 EC 265-150-3	No. 649-327-00-6 (Note P)	
2,5-10 %	Naphtha (oil), heavy hydrodesulfurized	R10 R65 R66 R67 R51/53	Xn N
	CAS 64742-82-1 EC 265-185-4	No. 649-330-00-2 (Note P)	
< 2,5 %	Lead sulfochromate yellow	R33 R40 R61 R62 R50/53	T N
	CAS 1344-37-2 EC 215-693-7	No. 082-009-00-X (Note 1)	
< 0,5 %	2-butanone-oxime	R21 R40 R41 R43	Xn
	CAS 96-29-7 EC 202-496-6	No. 616-014-00-0	
< 0,5 %	Organic acids lead salt	R33 R61 R62 R20/22 R50/53	T N
	CAS 83711-47-1 EC 280-544-5	No. 082-001-00-6 (Note 1)	
< 0,5 %	1,2,4-trimethylbenzene	R10 R20 R36/37/38 R51/53	Xn N
	CAS 95-63-6 EC 202-436-9	No. 601-043-00-3	

For more information on dangerous ingredients, see sections 8, 11, 12 and 16.

3. IDENTIFICATION OF HAZARDS

Flammable. May cause harm to the unborn child. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES



In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person.

- 4.1 By inhalation: Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.



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- 4.2 By contact with the skin:** Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
- 4.3 By contact with eyes:** Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.
- 4.4 By ingestion:** If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.
- 4.5 Notes to physician:** The presence of lead in the organism may be detected determining the amount of metal in the blood and the urine.

5. FIRE-FIGHTING MEASURES

- 5.1 Means of extinction:** Extinguishing powder or CO₂. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet.
- 5.2 Specific risks:** As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, nitrogen oxides, isocyanate vapours, traces of hydrocyanic acid. Exposure to combustion or decomposition products may be a hazard to health.
- 5.3 Fire-proof protective equipment:** Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots.
- 5.4 Other recommendations:** Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours. For exposure controls and personal protection measures, see section 8.
- 6.2 Environmental precautions:** Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 Cleaning-up methods:** Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a detergent. Avoid use of solvents. Keep the remains in a closed container. For subsequent waste disposal, follow the recommendations in section 13.



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7. HANDLING AND STORAGE

7.1 Handling precautions:

Comply with the health and safety at work laws.

- General recommendations:

Avoid any type of leakage or escape. Keep the container tightly closed.

- Recommendations for the prevention of fire and explosion risks:

Vapours are heavier than air and may spread along floors to a considerable distance. Vapours can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Do not smoke. Electrical equipment should be protected to the appropriate standard. No tools with a potential for sparks should be used. Use explosion protected equipment. Switch mobile phones off.

- Flash point	:	37.5 °C
- Autoignition temperature	:	242.3 °C
- Lower explosive limit	:	0.6 % Volume
- Upper explosive limit	:	7.1 % Volume

- Recommendations for the prevention of toxicological risks:

Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.

7.2 Storage conditions:

Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position.

- Class of store	:	Class B1. According to ITC MIE APQ-1, RD.379/2001.
- Maximum storage period	:	24. months
- Temperature interval	:	min: 5. °C, max: 40. °C

- Incompatible materials:

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

- Conditions to avoid:

- Heat:	Keep away from sources of heat.
- Light:	Avoid direct contact with sunlight.
- Humidity:	Avoid extreme humidity conditions.

- Type of packaging:

According to current legislation.

7.3 Specific uses:

For the use of this product do not exist particular recommendations apart from that already indicated.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION 98/24/EC

8.1 Occupational Exposure Limits (TLV)

AGCIH 2003	TWA		STEL		Year
	ppm	mg/m3	ppm	mg/m3	
Naphtha (oil), heavy hydrotreated	100.	525.			Internal value
Naphtha (oil), heavy hydrodesulfurized	100.	525.			Internal value
Lead sulfochromate yellow		0.050		A3	As Pb 1995
Organic acids lead salt		0.050		A3	As Pb 1995
1,2,4-trimethylbenzene	25.	123.			1987
A3 - Carcinogenic in animals.					

- It is applicable the Directive 82/605/EEC, on the protection of workers from the risks related to exposure to metallic lead and its ionic compounds at work.

8.2 Occupational exposure controls, Directive 89/686/EEC:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

- Ventilation requirement : 469. m3/l (maximum) Air/Preparation
to keep below the Occupational Exposure Limit of the product.

- Protection of respiratory system:

Avoid the inhalation of vapours.

- Mask:

Mask for gases and vapours (EN141). In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour.

- Protection of eyes and face:

Install emergency eye baths close to the working area.

- Goggles:

Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).

- Face shield: No.

- Protection of hands and skin:

Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

- Gloves:

Gloves resistant against chemicals (EN374). The breakthrough time of the selected glove material should be superior to the pretended period of use. The gloves should be immediately replaced when any sign of degradation is noted.

- Boots: No.

- Apron: No.

- Clothing:

It is advisable personnel wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. Put away work clothes under control and separately from the rest. Do not take contaminated clothing home. Wash contaminated work clothes before wearing them again.

8.3 Environmental exposure controls:

Avoid any spillage in the environment. Avoid any release into the atmosphere.





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9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state	: Liquid.
- Colour	: Green.
- Odour	: Characteristic.
- Viscosity	: 150. sec.FC4 20°C
- Specific gravity	: 1.26 g/cc at 20°C
- Solids	: 71.5 % Weight
- Solubility in water	: Insoluble
- Flash point	: 37.5 °C
- Boiling point	: 145. °C at 760 mmHg
- Vapour pressure	: 1.5 mmHg at 20°C

For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

10. STABILITY AND REACTIVITY

10.1 Stability:

Stable under recommended storage and handling conditions.

10.2 Dangerous reactions:

Possible dangerous reaction with oxidizing agents, acids.

10.3 Thermal decomposition:

As consequence of thermal decomposition, hazardous products may be produced.

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available.

11.1 Toxicological effects:

- Exposure to solvent vapour concentrations in excess of the stated occupational exposure limit, may result in adverse health effects, such as mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and central nervous system. Symptoms and signs include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea; other effects may be as described for exposure to vapours. Repeated or prolonged contact with the solvents of the preparation, may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Liquid splashes in the eyes may cause irritation and reversible damage.
- Contains sensitising substances. May produce an allergic reaction.
- Toxicity for reproduction:**
 - This preparation contains the following ingredients which can be toxic for human reproduction: Lead sulfochromate yellow (cat.1), Organic acids lead salt (cat.1).
 - Note: Epidemiological data shows an association between elevated levels of lead in the mother's blood and developmental effects on the new-born child. Following the criteria for the classification of hazards regarding ingredients which are toxic for reproduction, the UE has classified all lead compounds as causing developmental toxicity in humans. Lead chromate, although of relatively low solubility and bioavailability, is included in this classification.



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11.2 Dose and lethal concentrations for individual ingredients :

	DL50 Oral mg/kg	DL50 Cutaneous mg/kg	CL50 Inhalation mg/m3.4hours
Naphtha (oil), heavy hydrotreated	15000. Rat	3000. Rabbit	
Naphtha (oil), heavy hydrodesulfurized	6000. Rat	3000. Rat	
Lead sulfochromate yellow	5000. Rat		
2-butanone-oxime	2400. Rat		
1,2,4-trimethylbenzene	5000. Rat		

For more information about ingredients dangerous to health, see sections 2 and 8.

12. ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available.

12.1 Spills on the soil:

Prevent contamination of soil.

12.2 Spills in water:

Harmful to aquatic organisms. May cause long-term adverse effects on the aquatic environment. Do not allow to escape into drains, sewers or water courses.

12.3 Emissions to the atmosphere:

Avoid any release into the atmosphere.

- Aromatic hydrocarbons	:	2.2 % Weight
- VOC	:	28.5 % Weight
- VOC	:	359.7 g/l
- VOC (product ready for use):		

· It is applicable the Directive 2004/42/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents: PAINTS AND VARNISHES (defined in the Directive 2004/42/EC, Annex I.1): Emission subcategory i) One-pack performance coating, solvent-borne. VOC (product ready for use) : No disponible g/l* - VOC max : 600. g/l* starting from 01.01.2007

- VOC (industrial installations):

· If this product is used in an industrial installation, it must be verified if it is applicable the Directive 1999/13/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents in certain activities and installations: VOC : 24.2% C (expressed as carbon).

12.4 Ecotoxicological data for individual ingredients :

	CL50 mg/l.96hours	CE50 mg/l.48hours	CI50 mg/l.72hours
Naphtha (oil), heavy hydrotreated	750. Fishes	100. Daphnia	400. Algae
Naphtha (oil), heavy hydrodesulfurized	800. Fishes	100. Daphnia	450. Algae
Lead sulfochromate yellow	10000. Fishes		
2-butanone-oxime	844. Fishes	1750. Daphnia	

13. CONSIDERATIONS FOR DISPOSAL

13.1 Handling of waste, Directive 75/442/EEC~91/156/EC:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local/national regulations. For exposure controls and personal protection measures, see section 8.

13.2 Disposal of empty containers, Directive 94/62/EC:

Emptied containers and packaging should be disposed of in accordance with currently local/national regulations.



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13.3 Procedures for neutralising or destroying the product:

Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

14. TRANSPORT INFORMATION

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14.1 Transport by road, Directive 94/55/EC (ADR 2005): Transport by rail, Directive 96/49/EC (RID 2005):

Class: 3 Packaging group: III UN no. 1263

Transport document: Consignment paper.
Written instructions.



(Special provision 640E)

14.2 Transport by sea (IMDG 32-04):

Class: 3 Packaging group: III UN no. 1263
Emergency Sheet (EmS): 3-05,07
First Aid Guide (MFAG): 310,313
Marine pollutant: No.

Transport document: Shipping Bill of lading.



14.3 Transport by air (ICAO/IATA):

Class: 3 Packaging group: III UN no. 1263

Transport document: Air Bill of lading.



15. INFORMATION ON REGULATIONS

15.1 EC Labelling:

R10 , T



This product is labelled as FLAMMABLE and TOXIC in accordance with Directive 67/548/EEC~2001/59/EC and 1999/45/EC~2001/60/EC

R10 Flammable. R61 May cause harm to the unborn child. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S53 Restricted to professional users: Caution -avoid exposure- Obtain special instructions before use (ex. material safety data sheet). S2 Keep out of reach of children. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S51 Use only in well-ventilated areas. P90 Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. P99 Contains 2-butanone-oxime. May produce an allergic reaction.

- Dangerous ingredients: Lead sulfochromate yellow

15.2 Restrictions to the marketing and use in accordance with Directive 76/769/EEC:

Restricted to professional users, in accordance with Directive 97/56/EC.

15.3 Other EC regulations:

Not applicable



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15.4 Other regulations:

Not available

16. OTHER INFORMATION

Text of R-phrases listed in section 2:

R10 Flammable. R20 Harmful by inhalation. R21 Harmful in contact with skin. R33 Danger of cumulative effects. R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact. R61 May cause harm to the unborn child. R62 Possible risk of impaired fertility. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. R36/37/38 Irritating to eyes, respiratory system and skin. R20/22 Also harmful by inhalation and if swallowed. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Note P : It is unnecessary to apply the classification as carcinogenic if it can be proved that the substance contains less than 0.1% benzene (EC No. 200-753-7) in weight.

Note 1 : Las concentraciones indicadas expresan porcentajes en peso del elemento metálico sobre el peso total del preparado.

Material Safety Data Sheet regulations:

Material Safety Data Sheet in accordance with Directive 91/155/EEC~2001/58/EC.

History:

Version:

1

Revision date:

12/09/2005

Date of issue:

30/01/2006

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.