

PREFIL PARA PINTURA 2 K (CARGA)
Spray products for different types of surfaces

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** PREFIL PARA PINTURA 2 K (CARGA)
Spray products for different types of surfaces
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Spray paint. For professional use only.
- 1.3 Details of the supplier of the safety data sheet:** BERNARDO ECENARRO, S.A.
P.I. San Lorenzo
20870 Elgoibar - Guipúzcoa - Spain
Phone.: +34 943 74 28 00 - Fax: +34 943 74 06 03
msds@bernardoecenarro.com
<http://www.bernardoecenarro.com>
- 1.4 Emergency telephone number:** +34 943742800 (8,00-13,00) (14,30-17,30)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Directive 67/548/EC and Directive 1999/45/EC:

This product was classified in accordance with Directive 67/548/EC and Directive 1999/45/EC, adapting the requirements to Regulation (EC) n°1907/2006 (REACH regulation).

F+: R12 - Extremely flammable
Xi: R43 - May cause sensitisation by skin contact
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness

CLP Regulation (EC) n° 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Flam. Aerosol 1: Flammable aerosols, Category 1
Skin Sens. 1: Sensitisation, dermal, Category 1

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3

2.2 Label elements:

Directive 67/548/EC and Directive 1999/45/EC:

In accordance with the legislation, the elements on the label are as follows:



Extremely flammable



Irritant

R Phrases:

R12: Extremely flammable
R43: May cause sensitisation by skin contact
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapours may cause drowsiness and dizziness

S Phrases:

S16: Keep away from sources of ignition - No smoking
S2: Keep out of the reach of children
S23: Do not breathe vapour and spray
S24/25: Avoid contact with skin and eyes
S29/56: Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point
S37: Wear suitable gloves
S46: If swallowed, seek medical advice immediately and show this container or label
S51: Use only in well-ventilated areas

Supplementary information:

P91: Contains isocyanates-Read the information provided by the manufacturer
P96: Pressurized container. Protect from solar rays and avoid exposure to temperatures above 50°C. Do not perforate or burn, even after use
P97: Do not spray at a flame or incandescent object. Keep away from sources of ignition - No smoking. Keep out of the reach of children

Substances that contribute to the classification:

Hexamethylene diisocyanate, oligomers

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SECTION 2: HAZARDS IDENTIFICATION (continue)

CLP Regulation (EC) n° 1272/2008:

Danger



Hazard indications:

Flam. Aerosol 1: H222 - Extremely flammable aerosol.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Cautionary advice:

P271: Use only outdoors or in a well-ventilated area.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.

Supplementary information:

2.2: 2008/47/EC – Pressurized container. Protect from solar rays and avoid exposing to temperatures higher than 50°C. Do not perforate or burn, even after use
2.3: 2008/47/EC - Do not spray at a flame or incandescent object. Keep away from sources of ignition - No smoking. Keep out of the reach of children
EUH204: Contains isocyanates. May produce an allergic reaction.

Substances that contribute to the classification

Acetone; Butyl Acetate; Hexamethylene diisocyanate, oligomers

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Mixture composed of additives, aggregates, pigments and resins in solvents

Components:

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---------------|
| CAS: 115-10-6 EC: 204-065-8 Index: 603-019-00-8 REACH:01-2119472128-37-XXXX | Dimethyl ether ATP CLP00 | 50 - <100 % |
| | Directive 67/548/EC F+: R12 | |
| | Regulation 1272/2008 Flam. Gas 1: H220; Press. Gas: H280 - Danger | |
| CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH:01-2119485493-29-XXXX | Butyl Acetate ATP CLP00 | 10 - <25 % |
| | Directive 67/548/EC R10; R66; R67 | |
| | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Attention | |
| CAS: 67-64-1 EC: 200-662-2 Index: 606-001-00-8 REACH:01-2119471330-49-XXXX | Acetone ATP CLP00 | 5 - <10 % |
| | Directive 67/548/EC F: R11; Xi: R36; R66; R67 | |
| | Regulation 1272/2008 Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | |
| CAS: 28182-81-2 EC: 500-060-2 Index: REACH:01-2119485796-17-XXXX | Hexamethylene diisocyanate, oligomers Self-classified | 5 - <10 % |
| | Directive 67/548/EC Xi: R37, R43; Xn: R20 | |
| | Regulation 1272/2008 Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Attention | |
| CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH:01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate ATP ATP01 | 1 - <2,5 % |
| | Directive 67/548/EC R10 | |
| | Regulation 1272/2008 Flam. Liq. 3: H226 - Attention | |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH:01-2119488216-32-XXXX | Xylene (mixture of isomers) ATP CLP00 | 1 - <2,5 % |
| | Directive 67/548/EC Xi: R38; Xn: R20/21; R10 | |
| | Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Attention | |

To obtain more information on the risk of the substances consult sections 8, 11, 12 and 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters, ...), seek medical advice with this Security Data Sheet

By eye contact:

Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

By consumption:

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

No symptoms or delayed effects.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

Contains substances that may result in explosion caused by heat. In case of fire follow the instructions on the Internal Emergency Plan.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertizing agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions:

Product not classified as dangerous for the environment, however it is necessary to avoid spillage as the product is classified as dangerous for health and/or its physicochemical properties.

6.3 Methods and material for containment and cleaning up:

It is recommended:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continue)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Avoid projections and pulverisations. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See epigraph 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

| Identification | Environmental limits | | |
|---|----------------------|----------|------------------------|
| | IOELV (8h) | 1000 ppm | 1920 mg/m ³ |
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | IOELV (STEL) | | |
| | Year | 2012 | |
| | IOELV (8h) | 500 ppm | 1210 mg/m ³ |
| Acetone CAS: 67-64-1 EC: 200-662-2 | IOELV (STEL) | | |
| | Year | 2012 | |
| | IOELV (8h) | 50 ppm | 275 mg/m ³ |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | IOELV (STEL) | 100 ppm | 550 mg/m ³ |
| | Year | 2012 | |
| | IOELV (8h) | 50 ppm | 221 mg/m ³ |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | IOELV (STEL) | 100 ppm | 442 mg/m ³ |
| | Year | 2012 | |

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

| Identification | | Short exposure | | Long exposure | |
|---|------------|-----------------------|------------------------|------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1894 mg/m ³ | Non-applicable |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | 960 mg/m ³ | 960 mg/m ³ | 480 mg/m ³ | 480 mg/m ³ |
| Acetone CAS: 67-64-1 EC: 200-662-2 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 186 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 2420 mg/m ³ | 1210 mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 153,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 275 mg/m ³ | Non-applicable |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| | Inhalation | 289 mg/m ³ | 289 mg/m ³ | 77 mg/m ³ | Non-applicable |

DNEL (Population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|-------------------------|-------------------------|--------------------------|--------------------------|
| | | Systemic | Local | Systemic | Local |
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 471 mg/m ³ | Non-applicable |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | 859,7 mg/m ³ | 859,7 mg/m ³ | 102,34 mg/m ³ | 102,34 mg/m ³ |
| Acetone CAS: 67-64-1 EC: 200-662-2 | Oral | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 200 mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 54,8 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 33 mg/m ³ | Non-applicable |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 108 mg/kg | Non-applicable |
| | Inhalation | 174 mg/m ³ | 174 mg/m ³ | 14,8 mg/m ³ | Non-applicable |

PNEC:

| Identification | | | | | |
|---|--------------|----------------|-------------------------|------------|--|
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | STP | 160 mg/L | Fresh water | 0,16 mg/L | |
| | Soil | 0,05 mg/kg | Marine water | 0,02 mg/L | |
| | Intermittent | 1,55 mg/L | Sediment (Fresh water) | 0,68 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,07 mg/kg | |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | STP | 35,6 mg/L | Fresh water | 0,18 mg/L | |
| | Soil | 0,09 mg/kg | Marine water | 0,02 mg/L | |
| | Intermittent | 0,36 mg/L | Sediment (Fresh water) | 0,98 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,1 mg/kg | |
| Acetone CAS: 67-64-1 EC: 200-662-2 | STP | 100 mg/L | Fresh water | 10,6 mg/L | |
| | Soil | 29,5 mg/kg | Marine water | 1,06 mg/L | |
| | Intermittent | 21 mg/L | Sediment (Fresh water) | 30,4 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 3,04 mg/kg | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | STP | 100 mg/L | Fresh water | 0,64 mg/L | |
| | Soil | 0,29 mg/kg | Marine water | 0,06 mg/L | |
| | Intermittent | 6,35 mg/L | Sediment (Fresh water) | 3,29 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,33 mg/kg | |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)



| Identification | | | | |
|--|--------------|----------------|-------------------------|-------------|
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | STP | 6,58 mg/L | Fresh water | 0,33 mg/L |
| | Soil | 2,31 mg/kg | Marine water | 0,33 mg/L |
| | Intermittent | 0,33 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |

8.2 Exposure controls:



A.- General security and hygiene measures in the work place

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using individual protection equipment they should have the "CE marking" in accordance with Directive 89/686/EC. For more information on individual protection equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see epigraph 7.1.



B.- Respiratory protection

| LRP Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|--|---|--|---|
|  Mandatory respiratory tract protection | Filter mask for gases, vapours and particles |  | EN 149:2001+A1:2009 EN 405:2001+A1:2009 | Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. |





C.- Specific protection for the hands

| LRP Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|----------------------------|---|---|--|
|  Mandatory hand protection | Chemical protective gloves |  | EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009 | Replace the gloves at any sign of deterioration. |



D.- Ocular and facial protection

| LRP Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|--|--|
|  Mandatory face protection | Panoramic glasses against liquid splash |  | EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN 165:2005 | Clean daily and disinfect periodically according to the manufacturer's instructions. |

E.- Bodily protection

| LRP Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|--|---|
|  Mandatory complete body protection | Antistatic and fireproof protective clothing |  | EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2008/AC:2009 EN 1149-5:2008 | Limited protection against flames. |
|  Mandatory foot protection | Safety footwear with antistatic and heat resistant properties |  | EN 13287:2007 EN ISO 20345:2011 EN ISO 20344:2011 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|--------------------------------|--|-------------------------------|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2002 |  Eyewash stations | DIN 12 899 ISO 3864-1:2002 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see epigraph 7.1.D

Volatil organic compounds:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

With regard to Directive 1999/13/EC, this product has the following characteristics:

V.O.C. (Supply): 92 % weight
V.O.C. density at 20 °C: 699 kg/m³ (699 g/L)
Average carbon number: 5,52
Average molecular weight: 105,66 g/mol

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

V.O.C. density at 20 °C: 699 kg/m³ (699 g/L)
EUlimit for the product (Cat. B.E): 840 g/L (2010)
Components: Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C: Aerosol
Appearance: Undefined
Color: Not available
Odor: Characteristic

Volatility:

Boiling point at atmospheric pressure: -25 °C (Propellant)
Vapour pressure at 20 °C: 520000 Pa
Vapour pressure at 50 °C: <300000 Pa (300 kPa)
Evaporation rate at 20 °C: Non-applicable *

Product description:

Density at 20 °C: 750 - 770 kg/m³
Relative density at 20 °C: 0,75 - 0,77
Dynamic viscosity at 20 °C: Non-applicable *
Kinematic viscosity at 20 °C: Non-applicable *
Kinematic viscosity at 40 °C: Non-applicable *
Concentration: Non-applicable *
pH: Non-applicable *
Vapour density at 20 °C: Non-applicable *
Partition coefficient n-octanol/water 20 °C: Non-applicable *
Solubility in water at 20 °C: Non-applicable *
Solubility property: Immiscible
Decomposition temperature: Non-applicable *
Recipient pressure: Non-applicable *

Flammability:

Flash Point: -41 °C (Propellant)
Autoignition temperature: Non-applicable *
Lower flammability limit: 1,2 % Volume
Upper flammability limit: 18,6 % Volume

9.2 Other information:

Surface tension at 20 °C: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the conditions no hazardous reactions are expected to produce a pressure or excessive temperatures.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Combustive materials | Combustible materials | Others |
|----------------|----------------|----------------------|-----------------------|----------------|
| Not applicable | Not applicable | Avoid direct impact | Avoid direct impact | Not applicable |

10.6 Hazardous decomposition products:

See epigraph 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the mixture itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

B- Inhalation:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

E- Sensitizing effects:

Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT)-time exposure:

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of concentration.

G- Specific target organ toxicity (STOT)-repeated exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continue)

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|----------------------|-------|
| | LD50 oral | LD50 dermal | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LD50 oral | 8532 mg/kg | Rat |
| | LD50 dermal | 5000 mg/kg | Rat |
| | LC50 inhalation | Non-applicable | |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | 2100 mg/kg | Rat |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Acetone CAS: 67-64-1 EC: 200-662-2 | LD50 oral | 5800 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | LD50 oral | Non-applicable | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | 308,5 mg/L (4 h) | Rat |
| Hexamethylene diisocyanate, oligomers CAS: 28182-81-2 EC: 500-060-2 | LD50 oral | 5000 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | 11 mg/L (4 h) (ATEi) | |

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the mixture itself is not available

12.1 Toxicity:

| Identification | Acute toxicity | | Specie | Genus |
|---|----------------|------------------|-------------------------|------------|
| | LC50 | EC50 | | |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | LC50 | 62 mg/L (96 h) | Leuciscus idus | Fish |
| | EC50 | 73 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Alga |
| Acetone CAS: 67-64-1 EC: 200-662-2 | LC50 | 5540 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 23,5 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 3400 mg/L (48 h) | Chlorella pyrenoidosa | Alga |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LC50 | 161 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 481 mg/L (48 h) | Daphnia sp. | Crustacean |
| | EC50 | Non-applicable | | |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | LC50 | 13,5 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 0,6 mg/L (96 h) | Gammarus lacustris | Crustacean |
| | EC50 | 10 mg/L (72 h) | Skeletonema costatum | Alga |

12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|----------------|
| | BOD5 | Code | Concentration | Period |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | Code | Non-applicable | Period | 5 days |
| | BOD5/COD | 0.79 | % degraded BOD | 84 % |
| Acetone CAS: 67-64-1 EC: 200-662-2 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | Code | Non-applicable | Period | 28 days |
| | BOD5/COD | 0.96 | % degraded BOD | 96 % |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BOD5 | Non-applicable | Concentration | 785 mg/L |
| | Code | Non-applicable | Period | 8 days |
| | BOD5/COD | Non-applicable | % degraded BOD | 100 % |

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PREFIL PARA PINTURA 2 K (CARGA)
Spray products for different types of surfaces

SECTION 12: ECOLOGICAL INFORMATION (continue)

12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|---|---------------------------|-------|
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | BCF | 4 |
| | Pow Log | 1,78 |
| | Potential | Low |
| Acetone CAS: 67-64-1 EC: 200-662-2 | BCF | 0,69 |
| | Pow Log | -0,24 |
| | Potential | Low |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BCF | 1 |
| | Pow Log | 0,43 |
| | Potential | Low |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | BCF | 9 |
| | Pow Log | 2,77 |
| | Potential | Low |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|-------------------|------------|---------------------------------|
| | Koc | Non-applicable | Henry | Non-applicable |
| Dimethyl ether CAS: 115-10-6 EC: 204-065-8 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 11360 N/m (25 °C) | Moist soil | Non-applicable |
| | Koc | Non-applicable | Henry | Non-applicable |
| Butyl Acetate CAS: 123-86-4 EC: 204-658-1 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 24780 N/m (25 °C) | Moist soil | Non-applicable |
| | Koc | Non-applicable | Henry | Non-applicable |
| Acetone CAS: 67-64-1 EC: 200-662-2 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 23040 N/m (25 °C) | Moist soil | Non-applicable |
| | Koc | 202 | Henry | 5,249E+2 Pa·m ³ /mol |
| Xylene (mixture of isomers) CAS: 1330-20-7 EC: 215-535-7 | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | Non-applicable | Moist soil | Yes |

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Directive 2008/98/EC) |
|-----------|---|------------------------------------|
| 16 05 04* | Gases in pressure containers (including halons) containing dangerous substances | Dangerous |

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2011 and RID 2011:

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PREFIL PARA PINTURA 2 K (CARGA)
Spray products for different types of surfaces

SECTION 14: TRANSPORT INFORMATION (continue)



| | |
|--|---------------------|
| 14.1 UN number: | UN1950 |
| 14.2 UN proper shipping name: | AEROSOLS, flammable |
| 14.3 Transport hazard class(es): | 2 |
| Labels: | 2.1 |
| 14.4 Packing group: | N/A |
| 14.5 Dangerous for the environment: | No |
| 14.6 Special regulations: | 190, 327, 625 |
| Tunnel restriction code: | D |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 1 L |

Transport of dangerous goods by sea:

With regard to IMDG 2011:



| | |
|--|---------------------|
| 14.1 UN number: | UN1950 |
| 14.2 UN proper shipping name: | AEROSOLS, flammable |
| 14.3 Transport hazard class(es): | 2 |
| Labels: | 2.1 |
| 14.4 Packing group: | N/A |
| 14.5 Dangerous for the environment: | No |
| 14.6 Special regulations: | |
| EmS Codes: | |
| Physico-Chemical properties: | see section 9 |

Transport of dangerous goods by air:

With regard to IATA/OACI 2012:



| | |
|--|---------------------|
| 14.1 UN number: | UN1950 |
| 14.2 UN proper shipping name: | AEROSOLS, flammable |
| 14.3 Transport hazard class(es): | 2 |
| Labels: | 2.1 |
| 14.4 Packing group: | N/A |
| 14.5 Dangerous for the environment: | No |
| Physico-Chemical properties: | see section 9 |

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I or IA of Directive 98/8/EC Non-applicable

Regulation (EC) 689/2008, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

Specific provisions in terms of protecting people or the environment:

- CONTINUED ON NEXT PAGE -

PREFIL PARA PINTURA 2 K (CARGA)
Spray products for different types of surfaces

SECTION 15: REGULATORY INFORMATION (continue)

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Non-applicable

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006

Modifications related to the previous security card which concerns the ways of managing risks. :

CLP Regulation (EC) n° 1272/2008:

· Supplementary information

Text of R-phrases considered in section 3:

Directive 67/548/EC and Directive 1999/45/EC:

- R10: Flammable
- R11: Highly flammable
- R12: Extremely flammable
- R20: Harmful by inhalation
- R20/21: Harmful by inhalation and in contact with skin
- R36: Irritating to eyes
- R37: Irritating to respiratory system
- R38: Irritating to skin
- R43: May cause sensitisation by skin contact
- R66: Repeated exposure may cause skin dryness or cracking
- R67: Vapours may cause drowsiness and dizziness

CLP Regulation (EC) n° 1272/2008:

- Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled
- Acute Tox. 4: H332 - Harmful if inhaled.
- Eye Irrit. 2: H319 - Causes serious eye irritation.
- Flam. Gas 1: H220 - Extremely flammable gas.
- Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
- Flam. Liq. 3: H226 - Flammable liquid and vapour.
- Press. Gas: H280 - Contains gas under pressure, may explode if heated.
- Skin Irrit. 2: H315 - Causes skin irritation.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- STOT SE 3: H335 - May cause respiratory irritation.
- STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

- <http://esis.jrc.ec.europa.eu>
- <http://echa.europa.eu>
- <http://eur-lex.europa.eu>

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -