


|   |                                      |   |
|---|--------------------------------------|---|
| <br>www.montanacolors.com | <b>HARDCORE 2</b><br>Code: AX014H000 |   |
|---|--------------------------------------|---|

Version: 2 Revision: 21/06/2012




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

|     |   |  |   |
|-----|---|--|---|
| 1.1 | <u>PRODUCT IDENTIFIER:</u>  | HARDCORE 2<br>Code: AX014H000                  |   |
| 1.2 | <u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u><br><u>Intended uses (main technical functions):</u><br>Decorative paint.<br><u>Uses advised against:</u><br>This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'.   |  | [ ] Industrial [X] Professional [X] Consumers |
| 1.3 | <u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u><br>MONTANA COLORS, S.L.<br>Pol. Ind. Pla de les Vives - c/Anaïs Nin 6 - E- 08295 Sant Vicenç de Castellet (Barcelona)<br>Phone: +34 93 8332760 - Fax: +34 93 8332761<br><u>E-mail address of the person responsible for the safety data sheet:</u><br>e-mail: msds@montanacolors.com |  |   |
| 1.4 | <u>EMERGENCY TELEPHONE NUMBER:</u>  | +34 93 8332787 (9:00-17:00 h.) (working hours) |   |

**SECTION 2 : HAZARDS IDENTIFICATION**

|     |   |   |  |
|-----|---|---|--|
| 2.1 | <u>CLASSIFICATION OF THE MIXTURE:</u>   | <u>Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD):</u><br>F+ :R12   Xn:R20/21 |  |
| 2.2 | <u>LABEL ELEMENTS:</u><br><div style="display: flex; align-items: center; gap: 10px;">    </div> <p style="margin-left: 20px;">F+ , Xn</p> <p style="margin-left: 20px;">This product is labelled as EXTREMELY FLAMMABLE and HARMFUL in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC</p> <p><u>R-phrases:</u><br/>                 R12                      Extremely flammable.<br/>                 R20/21                    Harmful by inhalation and in contact with skin.</p> <p><u>S-phrases:</u><br/>                 S23                        Do not breathe vapour, spray.<br/>                 S51                        Use only in well-ventilated areas.</p> <p><u>Supplementary statements:</u><br/>                 P96                        Pressurised container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.<br/>                 P97                        Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of reach of children.</p> <p><u>Dangerous ingredients:</u><br/>                 Xylene (mixture of isomers)</p> |   |  |
| 2.3 | <u>OTHER HAZARDS:</u>   | Not applicable.   |  |



HARDCORE 2  
Code: AX014H000



**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 SUBSTANCES:  
Not applicable.

3.2 MIXTURES:  
This product is a mixture.

Chemical description:  
Aerosol.

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 Communitarian workplace exposure limit:

|  |  |                                |  |
|--|--|--------------------------------|--|
| <p>25 &lt; 50 %<br/> <input type="checkbox"/> <input type="checkbox"/></p> | <p><b>Petroleum gases, liquefied, sweetened</b><br/>CAS: 68476-86-8 , EC: 270-705-8<br/>DSD: F+R12<br/>CLP: Flam. Gas 1:H220   Press. Gas.:H280</p>  | <p>REACH: 02-2119651279-31</p> | <p>Index No. 649-203-00-1<br/>(Note H) (Note K) ATP30<br/>(Note S) REACH / ATP01</p> |
| <p>10 &lt; 25 %<br/> <input type="checkbox"/></p>                          | <p><b>Ethyl acetate</b><br/>CAS: 141-78-6 , EC: 205-500-4<br/>DSD: F:R11   Xi:R36   R66-R67<br/>CLP: Flam. Liq. 2:H225   STOT SE (narcois) 3:H336   EUH066</p>   | <p>REACH: 01-2119475103-46</p> | <p>Index No. 607-022-00-5<br/>&lt; ATP30<br/>&lt; REACH</p>                          |
| <p>10 &lt; 25 %<br/><input type="checkbox"/> <input type="checkbox"/></p>  | <p><b>Xylene (mixture of isomers)</b><br/>CAS: 1330-20-7 , EC: 215-535-7<br/>DSD: R10   Xn:R20/21   Xi:R38<br/>CLP: Flam. Liq. 3:H226   Acute Tox. (inh.) 4:H332   Acute Tox. (skin) 4:H312   Skin Irrit. 2:H315   Eye Irrit. 2:H319   STOT SE (irrit.) 3:H335   STOTRE 2:H373i   Asp. Tox. 1:H304</p> | <p>REACH: 01-2119488216-32</p> | <p>Index No. 601-022-00-9<br/>&lt; ATP25<br/>&lt; REACH</p>                          |
| <p>&lt; 2,5 %<br/> <input type="checkbox"/></p>                            | <p><b>Ethylbenzene</b><br/>CAS: 100-41-4 , EC: 202-849-4<br/>DSD: F:R11   Xn:R20<br/>CLP: Flam. Liq. 2:H225   Acute Tox. (inh.) 4:H332</p>   | <p>REACH: 01-2119489370-35</p> | <p>Index No. 601-023-00-4<br/>&lt; ATP12<br/>&lt; REACH / CLP00</p>                  |
| <p>&lt; 2,5 %<br/><input type="checkbox"/> </p>                            | <p><b>Naphtha (petroleum), hydrodesulfurized heavy</b><br/>CAS: 64742-82-1 , EC: 265-185-4<br/>DSD: R10   Xn:R65   Xi:R38   R67   N:R51-53<br/>CLP: Flam. Liq. 3:H226   Skin Irrit. 2:H315   STOT SE (narcois) 3:H336   Asp. Tox. 1:H304   Aquatic Chronic 2:H411</p>                                  | <p>REACH: 01-2119489370-35</p> | <p>Index No. 649-330-00-2<br/>(Note H,P) &lt; ATP30<br/>&lt; ATP01</p>               |

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

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

None



**HARDCORE 2**  
Code: AX014H000



**SECTION 4 : FIRST AID MEASURES**

**4.1** DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

**4.2**



When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

| Route of exposure  | Symptoms and effects, acute and delayed   | Description of first-aid measures   |
|--------------------|---|---|
| <u>Inhalation:</u> | Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. | 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. |
| <u>Skin:</u>       | In case of prolonged contact, the skin may become dry.  | Remove immediately 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.   |
| <u>Eye:</u>        | Contact with the eyes produces redness and pain.  | 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.  |
| <u>Ingestion:</u>  | If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.                                 | If swallowed, seek immediate medical attention. Do not induce vomiting. Keep the patient at rest.   |

**4.3** INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Not available.

**SECTION 5 : FIRE-FIGHTING MEASURES**

**5.1** EXTINGUISHING MEDIA:

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** SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Decomposes when heated intensely. Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Harmful. Exposure to combustion or decomposition products may be a hazard to health.

**5.3** ADVICE FOR FIREFIGHTERS:

- Special 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.
- 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.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1** PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours.

**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** METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Avoid use of solvents. Keep the remains in a closed container.

**6.4** REFERENCE TO OTHER SECTIONS:

For exposure controls and personal protection measures, see section 8.  
For subsequent waste disposal, follow the recommendations in section 13.



**HARDCORE 2**  
Code: AX014H000



**SECTION 7 : HANDLING AND STORAGE**

|  |   |                |                                   |  |                                   |                            |   |  |            |  |   |  |                         |
|--|---|----------------|-----------------------------------|--|-----------------------------------|----------------------------|---|--|------------|--|---|--|-------------------------|
| 7.1  | <p><u>PRECAUTIONS FOR SAFE HANDLING:</u><br/>Comply with the existing legislation on health and safety at work.</p> <p><u>General recommendations:</u><br/>Avoid any type of leakage or escape.</p> <p><u>Recommendations for the prevention of fire and explosion risks:</u><br/>Pressurised container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">- Flash point</td> <td style="width: 10%;">:</td> <td style="width: 10%;"></td> <td style="width: 10%;">-58. °C</td> </tr> <tr> <td>- Autoignition temperature</td> <td>:</td> <td></td> <td>351. °C</td> </tr> <tr> <td>- Upper/lower flammability or explosive limits</td> <td>:</td> <td></td> <td>1.9 - 9.6 % Volume 25°C</td> </tr> </table> <p><u>Recommendations for the prevention of toxicological risks:</u><br/>Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. Avoid applying the product directly to people, animals, plants or foodstuffs. For exposure controls and personal protection measures, see section 8.</p> <p><u>Recommendations for the prevention of environmental contamination:</u><br/>It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.</p> | - Flash point  | :                                 |  | -58. °C                           | - Autoignition temperature | : |  | 351. °C    | - Upper/lower flammability or explosive limits | : |  | 1.9 - 9.6 % Volume 25°C |
| - Flash point                                  | :   |                | -58. °C                           |  |                                   |                            |   |  |            |  |   |  |                         |
| - Autoignition temperature                     | :   |                | 351. °C                           |  |                                   |                            |   |  |            |  |   |  |                         |
| - Upper/lower flammability or explosive limits | :   |                | 1.9 - 9.6 % Volume 25°C           |  |                                   |                            |   |  |            |  |   |  |                         |
| 7.2  | <p><u>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</u><br/>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. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. For more information, see section 10.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">Class of store</td> <td style="width: 10%;">:</td> <td style="width: 10%;"></td> <td style="width: 10%;">According to current legislation.</td> </tr> <tr> <td>Maximum storage period</td> <td>:</td> <td></td> <td>24. months</td> </tr> <tr> <td>Temperature interval</td> <td>:</td> <td></td> <td>min: 5. °C, max: 50. °C</td> </tr> </table> <p><u>Incompatible materials:</u><br/>Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</p> <p><u>Type of packaging:</u><br/>According to current legislation.</p> <p><u>Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:</u><br/>Lower threshold: 50 tons , Upper threshold: 200 tons</p>  | Class of store | :                                 |  | According to current legislation. | Maximum storage period     | : |  | 24. months | Temperature interval                           | : |  | min: 5. °C, max: 50. °C |
| Class of store                                 | :   |                | According to current legislation. |  |                                   |                            |   |  |            |  |   |  |                         |
| Maximum storage period                         | :   |                | 24. months                        |  |                                   |                            |   |  |            |  |   |  |                         |
| Temperature interval                           | :   |                | min: 5. °C, max: 50. °C           |  |                                   |                            |   |  |            |  |   |  |                         |
| 7.3  | <p><u>SPECIFIC END USES:</u><br/>For the use of this product do not exist particular recommendations apart from that already indicated.</p>   |                |                                   |  |                                   |                            |   |  |            |  |   |  |                         |



HARDCORE 2  
Code: AX014H000



**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

|     |   |                |       |                 |         |                |
|-----|---|----------------|-------|-----------------|---------|----------------|
| 8.1 | <b>CONTROL PARAMETERS:</b>  |                |       |                 |         | Year           |
|     | <u>Occupational Exposure Limit Values (TLV)</u>   |                |       |                 |         |                |
|     | <u>AGCIH 2010</u>   | <u>TLV-TWA</u> |       | <u>TLV-STEL</u> |         |                |
|     |   | ppm            | mg/m3 | ppm             | mg/m3   |                |
|     | Petroleum gases, liquefied, sweetened   | 1000.          |       |                 |         | 2004           |
|     | Ethyl acetate   | 400.           | 1440. |                 |         | 1996           |
|     | Xylene (mixture of isomers)   | 100.           | 434.  | 150.            | 651. A4 | 1996           |
|     | Ethylbenzene  | 100.           | 434.  | 125.            | 543. A3 | 2002           |
|     | Naphtha (petroleum), hydrodesulfurized heavy  | 100.           | 525.  |                 |         | Internal value |
|     | TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit. |                |       |                 |         |                |
|     | A3 - Carcinogenic in animals.   |                |       |                 |         |                |
|     | A4 - Non classified as carcinogenic in humans.  |                |       |                 |         |                |
|     | <u>Biological Limit Values:</u>   |                |       |                 |         |                |
|     | Not available   |                |       |                 |         |                |
|     | <u>Derived no-effect level (DNEL) for general population:</u>                               |                |       |                 |         |                |
|     | Not available   |                |       |                 |         |                |
|     | <u>Predicted no-effect concentration (PNEC):</u>  |                |       |                 |         |                |
|     | Not available   |                |       |                 |         |                |

8.2 **CONTROLES DE EXPOSICIÓN:**

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:  
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.

Protection of respiratory system:  
Avoid the inhalation of vapours.  
- **Mask:**  
Suitable combined filter mask for gases, vapours and particles (EN141/EN143). 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 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 gloves should be immediately replaced when any sign of degradation is noted.  
- **Boots:** No.  
- **Apron:** No.  
- **Clothing:**  
Suitable work clothes which avoid contact with the product should be worn.

ENVIRONMENTAL EXPOSURE CONTROLS:  
Avoid any spillage in the environment. Avoid any release into the atmosphere.  
Spills on the soil: Prevent contamination of soil.  
Spills in water: Do not allow to escape into drains, sewers or water courses.  
Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. When possible, avoid solvent release to the atmosphere; do not pulverize more than is strictly necessary.  
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: Solvents : 66.5% Weight , VOC (supply) : 66.5% Weight , VOC : 52.1% C (expressed as carbon) , Molecular weight (average) : 80.6 , Number C atoms (average) : 5.3.





**HARDCORE 2**  
Code: AX014H000



**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

- Physical state : Aerosol.
- Colour : White.
- Odour : Characteristic
- Odour threshold : Not available

pH-value

- pH : Not applicable

Change of state

- Melting point : Not applicable
- Initial boiling point : Not applicable

Density

- Specific gravity : 0.884 g/cm<sup>3</sup> at 20°C

Stability

- Decomposition temperature : Not applicable

Viscosity:

- Viscosity (flow time) : Not applicable

Volatility:

- Vapour pressure : Not available

Solubility(ies)

- Solubility in water: : Not miscible
- Solubility in oils and fats: : Not applicable
- Partition coefficient: n-octanol/water : Not applicable

Flammability:

- Flash point : -58. °C
- Upper/lower flammability or explosive limits : 1.9 - 9.6 % Volume 25°C
- Autoignition temperature : 351. °C

Explosive properties:  
Not applicable.

Oxidizing properties:  
Not applicable.

9.2 OTHER INFORMATION:

- Heat of combustion : 7702. Kcal/kg
- Solids : 33.5 % Weight
- Aromatic hydrocarbons : 15.5 % Weight
- VOC (supply) : 66.5 % Weight
- VOC (supply) : 587.5 g/l

The values indicated do not always coincide with the product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.



**HARDCORE 2**  
Code: AX014H000



**SECTION 10 : STABILITY AND REACTIVITY**

|      |   |
|------|---|
| 10.1 | <u>REACTIVITY:</u><br>Not available.  |
| 10.2 | <u>CHEMICAL STABILITY:</u><br>Stable under recommended storage and handling conditions.   |
| 10.3 | <u>POSSIBILITY OF HAZARDOUS REACTIONS:</u><br>Possible dangerous reaction with oxidizing agents, acids, alkalis.  |
| 10.4 | <u>CONDITIONS TO AVOID:</u><br>- Heat: Keep away from sources of heat.<br>- Light: Avoid direct contact with sunlight.<br>- Air: Not applicable.<br>- Humidity: Avoid extreme humidity conditions.<br>- Pressure: Not applicable.<br>- Shock: Not applicable. |
| 10.5 | <u>INCOMPATIBLE MATERIALS:</u><br>Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.  |
| 10.6 | <u>HAZARDOUS DECOMPOSITION PRODUCTS:</u><br>As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.   |

**SECTION 11 : TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC-2006/8/EC.

| 11.1   | <p><u>INFORMATION ON TOXICOLOGICAL EFFECTS:</u></p> <ul style="list-style-type: none"> <li>Contains sensitising substances. May produce an allergic reaction.</li> </ul> <p><u>Routes of exposure:</u> May be absorbed by inhalation of vapour, through the skin and by ingestion.</p> <p><u>Short-term exposure:</u> Harmful by inhalation. Harmful in contact with skin. 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. Liquid splashes in the eyes may cause irritation and reversible damage. If swallowed, may cause irritation of the throat; other effects may be the same as described in the exposure to vapours.</p> <p><u>Long-term or repeated exposure:</u> Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.</p> |   |   |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
|--|--|---|---|--|--------------------------------------|---|---|---------------------------------------|--|--|----------|---------------|-----------|---------------|------------|-----------------------------|-----------|--------------|------------|--------------|-----------|---------------|------------|--|-----------|-----------|--|
|  | <p><u>DOSE AND LETHAL CONCENTRATIONS</u><br/>for individual ingredients :</p> <table border="1"> <thead> <tr> <th></th> <th><u>DL50 (OECD 401)</u><br/>mg/kg oral</th> <th><u>DL50 (OECD 402)</u><br/>mg/kg cutaneous</th> <th><u>CL50 (OECD 403)</u><br/>mg/m<sup>3</sup> 4hours inhalation</th> </tr> </thead> <tbody> <tr> <td>Petroleum gases, liquefied, sweetened</td> <td></td> <td></td> <td>658. Rat</td> </tr> <tr> <td>Ethyl acetate</td> <td>5620. Rat</td> <td>18000. Rabbit</td> <td>44000. Rat</td> </tr> <tr> <td>Xylene (mixture of isomers)</td> <td>4300. Rat</td> <td>1700. Rabbit</td> <td>22080. Rat</td> </tr> <tr> <td>Ethylbenzene</td> <td>3500. Rat</td> <td>15400. Rabbit</td> <td>17400. Rat</td> </tr> <tr> <td>Naphtha (petroleum), hydrodesulfurized heavy</td> <td>6000. Rat</td> <td>3000. Rat</td> <td></td> </tr> </tbody> </table>  |   |   |  | <u>DL50 (OECD 401)</u><br>mg/kg oral | <u>DL50 (OECD 402)</u><br>mg/kg cutaneous | <u>CL50 (OECD 403)</u><br>mg/m <sup>3</sup> 4hours inhalation | Petroleum gases, liquefied, sweetened |  |  | 658. Rat | Ethyl acetate | 5620. Rat | 18000. Rabbit | 44000. Rat | Xylene (mixture of isomers) | 4300. Rat | 1700. Rabbit | 22080. Rat | Ethylbenzene | 3500. Rat | 15400. Rabbit | 17400. Rat | Naphtha (petroleum), hydrodesulfurized heavy | 6000. Rat | 3000. Rat |  |
|  | <u>DL50 (OECD 401)</u><br>mg/kg oral   | <u>DL50 (OECD 402)</u><br>mg/kg cutaneous | <u>CL50 (OECD 403)</u><br>mg/m <sup>3</sup> 4hours inhalation |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
| Petroleum gases, liquefied, sweetened        |  |   | 658. Rat  |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
| Ethyl acetate                                | 5620. Rat  | 18000. Rabbit                             | 44000. Rat  |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
| Xylene (mixture of isomers)                  | 4300. Rat  | 1700. Rabbit                              | 22080. Rat  |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
| Ethylbenzene                                 | 3500. Rat  | 15400. Rabbit                             | 17400. Rat  |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |
| Naphtha (petroleum), hydrodesulfurized heavy | 6000. Rat  | 3000. Rat                                 |   |  |                                      |   |   |                                       |  |  |          |               |           |               |            |                             |           |              |            |              |           |               |            |  |           |           |  |



**HARDCORE 2**  
Code: AX014H000



**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

|      |  |   |  |   |
|------|--|---|--|---|
| 12.1 | <u>TOXICITY:</u><br>for individual ingredients :<br>Petroleum gases, liquefied, sweetened<br>Ethyl acetate<br>Xylene (mixture of isomers)<br>Ethylbenzene<br>Naphtha (petroleum), hydrodesulfurized heavy  | <u>CL50</u> (OECD 203)<br>mg/l.96hours<br>24. Fishes<br>212. Fishes<br>14. Fishes<br>12. Fishes<br>2.6 Fishes | <u>CE50</u> (OECD 202)<br>mg/l.48hours<br>14. Daphnia<br>164. Daphnia<br>16. Daphnia<br>1.8 Daphnia<br>2.3 Daphnia | <u>CE50</u> (OECD 201)<br>mg/l.72hours<br>4.7 Algae<br>33. Algae<br>> 10. Algae |
| 12.2 | <u>PERSISTENCE AND DEGRADABILITY:</u><br>Not available.  |   |  |   |
| 12.3 | <u>BIOACCUMULATIVE POTENTIAL:</u><br>Not available.  |   |  |   |
| 12.4 | <u>MOBILITY IN SOIL:</u><br>Not available.   |   |  |   |
| 12.5 | <u>RESULTS OF PBT AND MPMBASSEMENT:</u><br>Not available.  |   |  |   |
| 12.6 | <u>OTHER ADVERSE EFFECTS:</u><br><u>Ozone depletion potential:</u> Not available.<br><u>Photochemical ozone creation potential:</u> Not available.<br><u>Earth global warming potential:</u> In case of fire or incineration liberates CO2.<br><u>Endocrine disrupting potential:</u> Not available. |   |  |   |

**SECTION 13 : DISPOSAL CONSIDERATIONS**

|      |   |
|------|---|
| 13.1 | <u>WASTE TREATMENT METHODS: Directive 2008/98/EC:</u><br>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 and national regulations. For exposure controls and personal protection measures, see section 8.<br><br><u>Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:</u><br>Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. Ensure the container is completely empty before throwing it away.<br><br><u>Procedures for neutralising or destroying the product:</u><br>In accordance with local regulations. Do not incinerate closed containers. |
|------|---|





**HARDCORE 2**  
Code: AX014H000



**SECTION 14 : TRANSPORT INFORMATION**

14.1 UN NUMBER: 1950

14.2 UN PROPER SHIPPING NAME:  
AEROSOLS

14.3 TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:

14.4 Transport by road (ADR 2011):  
Transport by rail (RID 2011):

- Class: 2
- Packaging group: -
- Classification code: 5F
- Tunnel restriction code: (D)
- Transport category: 2, max. ADR 1.1.3.6. 333 L
- Limited quantities: LQ2 (see total exemptions ADR 3.4)
- Transport document: Consignment paper.
- Instructions in writing: ADR 5.4.3.4

Transport by sea (IMDG 35-10):

- Class: 2.1
- Packaging group: -
- Emergency Sheet (EmS): F-D,S-U
- First Aid Guide (MFAG): 620\*
- Marine pollutant: No.
- Transport document: Shipping Bill of lading.

Transport by air (ICAO/IATA 2011):

- Class: 2.1
- Packaging group: -
- Transport document: Air Bill of lading.

Transport by inland waterways (ADN):

Not available.

14.5 ENVIRONMENTAL HAZARDS:  
Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER:  
Not available.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:  
Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

15.1 EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:

It is applicable the Directive 75/324/EEC~2008/47/EC, relating to aerosol dispensers and the Directive 87/404/EEC, concerning simple pressure packages.

Tactile warning of danger:

If the product is intended for the general public, is mandatory a tactile warning of danger. The technical specifications for tactile warning devices shall conform with EN ISO standard 11683 relating to 'Packaging - Tactile warnings of danger - Requirements.'

RESTRICTIONS:

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:

Not applicable.

Recommended restrictions on use:

Not applicable.

OTHER REGULATIONS:

Not available

15.2 CHEMICAL SAFETY ASSESSMENT:  
Not available.



HARDCORE 2  
Code: AX014H000



## SECTION 16 : OTHER INFORMATION

16.1

TWXR OF THE PHRASES AND NOTE S REFERENCED IN SECTIONS 2 AND/OR 3:R-phrases according the Directive 67/548/EEC~2001/59/EC (DSD), Annex III:

R10 Flammable. R11 Highly flammable. R12 Extremely flammable. R20 Harmful by inhalation. R36 Irritating to eyes. R38 Irritating to skin. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. R20/21 Harmful by inhalation and in contact with skin. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements according the Regulation (EC) No. 1272/2008~790/2009 (CLP), Annex III:

H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H280 Contains gas under pressure: may explode if heated. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking. H373i May cause damage to organs through prolonged or repeated exposure if inhaled.

Notes related to the identification, classification and labelling of the substances:

Note H : The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown.

Note K : It is unnecessary to apply the classification as carcinogenic if it can be proved that the substance contains less than 0.1% 1,3-butadiene (EC No. 203-450-8) in weight.

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1% w/w benzene (EC No. 200-753-7).

Note S : This substance may not require a label according to article 23 d) of Regulation (EC) No. 1272/2008 (see section 1.3 of annex I to that Regulation).

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/esis/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2010).
- European agreement on the international carriage of dangerous goods by road, (ADR 2011).
- International Maritime Dangerous Goods Code IMDG including Amendment 35-10 (IMO, 2010).

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:Revision:

Version: 1            03/04/2012  
Version: 2            21/06/2012

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.