



COLORS HARDCORE/MEGA/XXL  
Code: AEC00002



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product description: **COLORS HARDCORE/MEGA/XXL**  
Code: AEC00002
- 1.2 Intended uses: Decorative paint.
- 1.3 Company: **MONTANA COLORS, S.L**  
Pol. Ind. Pla de les Vives - c/AnaisNin 6 - E-08295 Sant Vicenç de Castellet (Barcelona)  
Phone: +34 93 8332760 - Fax: +34 93 8332761 - e-mail: msds@montanacolors.com
- 1.4 Emergency phone number: +34 93 8332787 (9:00-17:00 h.) (working hours)

## 2. HAZARDS IDENTIFICATION

2.1 EC classification: F+:R12 | Xn:R20/21

2.2 Adverse effects:  
Extremely flammable. Harmful by inhalation. Harmful in contact with skin.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical description:  
Aerosol.

3.2 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 Communitarian workplace exposure limit:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25 < 50 %	<b>Petroleum gas C3-C4</b>	EC 270-990- CAS 68512-91-4	ATP30 (Note K)	Index No. 649-083-00-0
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10 < 25 %	<b>Xylene (mixture of isomers)</b>	EC 215-535- CAS 1330-20-7	ATP25	Index No. 601-022-00-9
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2,5 < 10 %	<b>Acetone</b>	EC 200-662- CAS 67-64-1	ATP30	Index No. 606-001-00-8
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2,5 < 10 %	<b>2-methoxy-1-methylethyl acetate</b>	EC 203-603- CAS 108-65-6	ATP31	Index No. 607-195-00-7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,5 < 10 %	<b>Ethylbenzene</b>	EC 202-849- CAS 100-41-4	ATP12	Index No. 601-023-00-4
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	< 2,5 %	<b>Naphtha (petroleum), hydrodesulfurized heavy</b>	EC 265-185- CAS 64742-82-1	ATP30 (Note H,P)	Index No. 649-330-00-2

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

- Pre-registration REACH: All ingredients of this preparation, are included in the list of pre-registered substances, published by the 'European chemicals agency' (ECHA), in accordance with Article 28 of Regulation (EC) no. 1907/2006.  
Additional information: <http://apps.echa.europa.eu/preregistered/pre-registered-sub.aspx>

## 4. FIRST AID MEASURES



When in doubt, or when symptoms persist, seek medical attention. 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.

### 4.2 By contact with the skin:

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.

### 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. Keep the patient at rest.



COLORS HARDCORE/MEGA/XXL  
Code: AEC00002



## 5. FIRE-FIGHTING MEASURES

### 5.1 Means of extinction:

Extinguishing powder or CO<sub>2</sub>. 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:

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 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.). Avoid use of solvents. Keep the remains in a closed container. For subsequent waste disposal, follow the recommendations in section 13.



COLORS Hardcore/MEGA/XXL  
Code: AEC000002



## 7. HANDLING AND STORAGE

### 7.1 Handling precautions:

Comply with the existing legislation on health and safety at work.

- **General recommendations:** Avoid any type of leakage or escape.

- **Recommendations for the prevention of fire and explosion risks:** 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.

- Flash point	:	-94. °C
- Autoignition temperature	:	401. °C
- Flammability range	:	1.8 - 9.6 % Volume 25°C

- **Recommendations for the prevention of toxicological risks:** Avoid applying the product directly to people, animals, plants or foodstuffs. 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.

- **Recommendations for the prevention of environmental contamination:** It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.

### 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. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. For more information, see section 10.1.

- Class of store	:	According to current legislation.
- Maximum storage period	:	24. months
- Temperature interval	:	min: 5. °C, max: 50. °C

- **Incompatible materials:** Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

- **Type of packaging:** According to current legislation.

- **Limit quantity, in accordance with Directive 96/82/EC~2003/105/EC (Seveso III):**

Lower threshold: 10 tons , Upper threshold: 50 tons

### 7.3 Specific uses:

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



COLORS HARDCORE/MEGA/XXL  
Code: AEC000002



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

### 8.1 Exposure Limit Values (TLV)

AGCIH 2008	TLV-TWA		TLV-STEL		Year
	ppm	mg/m3	ppm	mg/m3	
Petroleum gas C3-C4	1000.				2004
Xylene (mixture of isomers)	100.	434.	150.	651.	A4 1996
Acetone	500.	1188.	750.	1782.	A4 1997
2-methoxy-1-methylethyl acetate	50.	275.	100.	550.	Recommended Dermal
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.

### 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 : 327. m3/l (maximal) Air/Preparation  
to keep below the Occupational Exposure Limit of the product.

#### - 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.

### 8.3 Environmental exposure controls:

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





COLORS HARDCORE/MEGA/XXL  
Code: AEC00002



## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state	:	Aerosol.
- Odour	:	Characteristic.
- Flash point	:	-94. °C
- Specific gravity	:	0.868 g/cm <sup>3</sup> at 20°C
- Solubility in water	:	Not miscible
- Solids	:	32.5 % Weight
- VOC (supply)	:	67.5 % Weight

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

## 10. STABILITY AND REACTIVITY

### 10.1 Conditions to avoid:

- Stable under recommended storage and handling conditions.
- **Heat:** Keep away from sources of heat.
- **Light:** Avoid direct contact with sunlight.
- **Air:** Not applicable.
- **Humidity:** Avoid extreme humidity conditions.
- **Pressure:** Not applicable.
- **Shock:** Not applicable.

### 10.2 Materials to avoid:

Possible dangerous reaction with oxidizing agents, acids, peroxides.

### 10.3 Thermal decomposition:

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

## 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.

### 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.

### 11.2 Dose and lethal concentrations for individual ingredients :

	DL50 Oral mg/kg	DL50 Cutaneous mg/kg	CL50 Inhalation mg/m <sup>3</sup> .4hours
Xylene (mixture of isomers)	4300. Rat	1700. Rabbit	22080. Rat
Acetone	5800. Rat	> 20000. Rabbit	100200. Rat
2-methoxy-1-methylethyl acetate	8532. Rat	> 5000. Rat	35700. Rat
Ethylbenzene	3500. Rat	15400. Rabbit	17400. Rat
Naphtha (petroleum), hydrodesulfurized heavy	6000. Rat	3000. Rat	16000. Rat



COLORS HARDCORE/MEGA/XXL  
Code: AEC000002



## 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.

12.1 Ecotoxicity: for individual ingredients :	CL50 mg/l.96hours	CE50 mg/l.48hours	CE50 mg/l.72hours
Xylene (mixture of isomers)	14. Fishes	16. Daphnia	
Acetone	5540. Fishes	12100. Daphnia	
2-methoxy-1-methylethyl acetate	> 100. Fishes	408. Daphnia	> 1000. Algae
Ethylbenzene	12. Fishes	1.8 Daphnia	33. Algae
Naphtha (petroleum), hydrodesulfurized heavy	2.6 Fishes	2.3 Daphnia	< 10. Algae

### 12.2 Mobility:

Not available.

- **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 : 67.5% Weight , VOC (supply) : 67.5% Weight , VOC : 54.1% C (expressed as carbon) , Molecular weight (average) : 76.2 , Number C atoms (average) : 5.1.

### 12.3 Persistence and degradability:

Not available.

### 12.4 Bioaccumulative potential:

Not available.

### 12.5 Results of PBT and mPmB assesment, in accordance with Annex XIII of Regulation (EC) no. 1907/2006:

Not available.

### 12.6 Other adverse effects:

Not available.

## 13. DISPOSAL CONSIDERATIONS

### 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 and national regulations. For exposure controls and personal protection measures, see section 8.

### 13.2 Disposal of empty containers, Directive 94/62/EC~2004/12/EC:

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.

### 13.3 Procedures for neutralising or destroying the product:

In accordance with local regulations. Do not incinerate closed containers.



COLORS HARDCORE/MEGA/XXL  
Code: AEC000002



#### 14. TRANSPORT INFORMATION

##### AEROSOLS

##### 14.1 Transport by road (ADR 2009): Transport by rail (RID 2009):

Class: 2      Packaging group: -      UN 1950

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

##### 14.2 Transport by sea (IMDG 34-08):

Class: 2.1      Packaging group: -      UN 1950

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

##### 14.3 Transport by air (ICAO/IATA 2009):

Class: 2.1      Packaging group: -      UN 1950

Transport document: Air Bill of lading.

#### 15. REGULATORY INFORMATION

##### 15.1 EC Labelling:

F+ , Xn



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

##### - R-phrases:

R12      Extremely flammable.  
R20/21      Harmful by inhalation and in contact with skin.

##### - S-phrases:

S23      Do not breathe vapour, spray.  
S51      Use only in well-ventilated areas.

##### - Supplementary statements:

P96      Pressurised container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.  
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.

##### - Dangerous ingredients:      Xylene (mixture of isomers)

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

Not applicable.

##### 15.3 Other EC regulations:

- 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.

##### 15.4 Other regulations:

Not available



COLORS HARDCORE/MEGA/XXL  
Code: AEC000002



## 16. OTHER INFORMATION

### Text of R-phrases listed in sections 2 and 3:

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.

### Text of Notes listed in section 3:

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).

### Material Safety Data Sheet regulations:

Material Safety Data Sheet in accordance with Annex II of Regulation (EC) No. 1907/2006 (REACH).

### Main data sources:

- European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/existing-chemicals/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2008).
- European agreement on the international carriage of dangerous goods by road, (ADR 2009).
- International Maritime Dangerous Goods Code IMDG including Amendment 34-08 (IMO, 2008).

### History:

Version: Provisional

Date of issue:

09/03/2011

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.