

COLORES MODELIX
Code: AX00MOD03



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

1.1	PRODUCT IDENTIFIER: COLORES MODELIX Code: AX00MOD03
1.2	RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST: <u>Intended uses (main technical functions):</u> [] Industrial [X] Professional [X] Consumers Decorative paint. <u>Uses advised against:</u> 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'. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not applicable.
1.3	DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: MODELIX RACING, S.L. Pol. Ind. Vallveric, Remences, 90, 08304 Mataró (Barcelona) Phone: +34 93 7419121 <u>E-mail address of the person responsible for the safety data sheet:</u> e-mail: msds@montanacolors.com
1.4	EMERGENCY TELEPHONE NUMBER: +34 93 8332787 (9:00-17:00 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: <u>Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD):</u> F+:R12 R66-R67
2.2	LABEL ELEMENTS: F+ <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px; margin-left: 10px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-left: 10px;"></div> </div> <p>This product is labelled as EXTREMELY FLAMMABLE in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC</p> <p><u>R-phrases:</u> R12 Extremely flammable. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.</p> <p><u>S-phrases:</u> S23 Do not breathe vapour, spray. S51 Use only in well-ventilated areas.</p> <p><u>Supplementary statements:</u> 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.</p> <p><u>Dangerous ingredients:</u> None in a percentage equal to or higher than the limit for the name.</p>

2.3	OTHER HAZARDS: Not available.
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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:

50 < 100 % <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dimethyl ether CAS: 115-10-6 , EC: 204-065-8 DSD: F+:R12 CLP: Flam. Gas 1:H220 Press. Gas.:H280	REACH: 01-2119472128-37	Index No. 603-019-00-8 < ATP12 < REACH
10 < 25 % <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Acetone CAS: 67-64-1 , EC: 200-662-2 DSD: F:R11 Xi:R36 R66-R67 CLP: Flam. Liq. 2:H225 Eye Irrit. 2:H319 STOT SE (narcosis) 3:H336 EUH066	REACH: 01-2119471330-49	Index No. 606-001-00-8 < ATP30 < REACH / ATP01
10 < 25 % <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	n-butyl acetate CAS: 123-86-4 , EC: 204-658-1 DSD: R10 R66-R67 CLP: Flam. Liq. 3:H226 STOT SE (narcosis) 3:H336 EUH066	REACH: 01-2119485493-29	Index No. 607-025-00-1 < ATP30 < REACH / ATP01
2,5 < 10 % <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Isobutylmethylketone CAS: 108-10-1 , EC: 203-550-1 DSD: F:R11 Xn:R20 Xi:R36/37 R66 CLP: Flam. Liq. 2:H225 Acute Tox. (inh.) 4:H332 STOT SE (irrit.) 3:H335 EUH066	REACH: 01-2119473980-30	Index No. 606-004-00-4 < ATP25 < REACH
< 2,5 % <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2-methoxy-1-methylethyl acetate CAS: 108-65-6 , EC: 203-603-9 DSD: R10 CLP: Flam. Liq. 3:H226	REACH: 01-2119475791-29	Index No. 607-195-00-7 < ATP31 < REACH / ATP01

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

Impurities:

Does not contain other components or impurities which will influence the classification of the product.

SUBSTANCES OF VERY HIGH CONCERN (SVHC):

List updated by ECHA on 18/06/2012.

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

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SECTION 4 : FIRST AID MEASURES

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

4.2  Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Wear protective gloves when administering first aid.

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>Eyes:</u>	Contact with the eyes produces redness and pain.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. 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. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, hydrochloric acid. 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. The standard EN469 provides a basic level of protection for chemical incidents.
- 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 contact information in case of emergency, see section 1.
For information on safe handling, see section 7.
For exposure controls and personal protection measures, see section 8.
For subsequent waste disposal, follow the recommendations in section 13.

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SECTION 7 : HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
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 : -40. °C
- Autoignition temperature : 285. °C
- Upper/lower flammability or explosive limits : 3.0 - 22.6 % Volume 25°C
Recommendations for the prevention of toxicological risks:
Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. Avoid applying the product directly to people, animals, plants or foodstuffs. 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 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
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.
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 (Seveso III): Directive 96/82/EC~2003/105/EC:
Lower threshold: 50 tons , Upper threshold: 200 tons

7.3 SPECIFIC END USES:
For the use of this product do not exist particular recommendations apart from that already indicated.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2011	<u>TLV-TWA</u>		<u>TLV-STEL</u>		Year
	ppm	mg/m3	ppm	mg/m3	
Dimethyl ether	1000.	1920.			Recommended
Acetone	500.	1188.	750.	1782.	A4 1997
n-butyl acetate	150.	713.	200.	950.	1998
Isobutylmethylketone	50.	205.	75.	307.	1981
2-methoxy-1-methylethyl acetate	50.	275.	100.	550.	Recommended Dermal

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

A4 - Non classified as carcinogenic in humans.

Via dérmica:

Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. Hay algunos agentes químicos para los cuales la absorción por vía dérmica, tanto en estado líquido como en fase de vapor, puede ser muy elevada, pudiendo ser esta vía de entrada de igual o mayor importancia incluso que la vía inhalatoria. En estas situaciones, es imprescindible la utilización del control biológico para poder cuantificar la cantidad global absorbida de contaminante.

BIOLOGICAL LIMIT VALUES:

Not available

DERIVED NO-EFFECT LEVEL (DNEL) FOR GENERAL POPULATION:

	<u>DNEL Oral</u> mg/kg bw/d	<u>DNEL Cutaneous</u> mg/cm2	<u>DNEL Inhalation</u> mg/m3
- Local effects, acute and chronic:			
Acetone			
n-butyl acetate			860.(a) 102.(c)
Isobutylmethylketone			155.(a) 14.7(c)
- Systemic effects, acute and chronic:			
	mg/kg bw/d	mg/kg bw/d	mg/m3
Dimethyl ether			471.(c)
Acetone		62.0(c)	200.(c)
n-butyl acetate			860.(a) 102.(c)
Isobutylmethylketone		4.20(c)	155.(a) 14.7(c)
2-methoxy-1-methylethyl acetate		1.67(c)	54.8(c) 33.0(c)

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

Note: Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

	<u>PNEC Fresh water</u> mg/l	<u>PNEC Marine</u> mg/l	<u>PNEC STP</u> mg/l
- Fresh water, marine and wastewater treatment plants:			
Dimethyl ether	0.155	0.0160	160.
Acetone	10.6	1.06	100.
n-butyl acetate	0.180	0.0180	35.6
Isobutylmethylketone	0.600	0.0600	27.5
2-methoxy-1-methylethyl acetate	0.635	0.0635	100.
- Soil, sediments and effects to humans via the environment:			
	<u>PNEC Soil</u> mg/kg dry weight	<u>PNEC Sediments</u> mg/kg dry weight	<u>PNEC Oral</u> mg/kg bw/d
Dimethyl ether	0.0450	0.681	
Acetone	29.5	30.4	
n-butyl acetate	0.0903	0.981	
Isobutylmethylketone	1.30	8.27	
2-methoxy-1-methylethyl acetate	0.290	3.29	

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8.2

EXPOSURE CONTROLS:

ENGINEERING MEASURES:

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.

Protection of eyes and face:

It is recommended to dispose of water taps or sources with clean water close to the working area.

Protection of hands and skin:

It is recommended to dispose of water taps or sources with clean water 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.

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

Mask:



Suitable combined filter mask for gases, vapours and particles (EN14387/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 or oxygen content less than 18% in volume.

Goggles:



Advisable.

Face shield:

No.

Gloves:



Gloves resistant against chemicals (EN374). The gloves should be immediately replaced when any sign of degradation is noted.

Boots:

No.

Apron:

No.

Clothing:

Advisable.

Peligros térmicos:

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 : 89.3% Weight , VOC (supply) : 89.3% Weight , VOC : 50.5% C (expressed as carbon) , Molecular weight (average) : 63.1 , Number C atoms (average) : 3.0.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Physical state : Aerosol. - Odour : Characteristic - Odour threshold : Not available <p><u>pH-value</u></p> <ul style="list-style-type: none"> - pH : Not applicable <p><u>Change of state</u></p> <ul style="list-style-type: none"> - Melting point : Not applicable - Initial boiling point : Not applicable <p><u>Density</u></p> <ul style="list-style-type: none"> - Relative density : 0.75 at 20/4°C Relative water <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature : Not applicable <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> - Viscosity (flow time) : Not applicable <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Vapour pressure : Not available <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> - Solubility in water: : Not miscible - Solubility in oils and fats: : Not applicable - Partition coefficient: n-octanol/water : Not applicable <p><u>Flammability:</u></p> <ul style="list-style-type: none"> - Flash point : -40. °C - Upper/lower flammability or explosive limits : 3.0 - 22.6 % Volume 25°C - Autoignition temperature : 285. °C <p><u>Explosive properties:</u> Not applicable.</p> <p><u>Oxidizing properties:</u> Not applicable.</p>
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9.2	<p>OTHER INFORMATION:</p> <ul style="list-style-type: none"> - Solids : 10.7 % Weight - VOC (supply) : 89.3 % Weight - VOC (supply) : 669.9 g/l <p>The values indicated do not always coincide with 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.</p>
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SECTION 10 : STABILITY AND REACTIVITY

10.1	<p>REACTIVITY: Not available.</p>
10.2	<p>CHEMICAL STABILITY: Stable under recommended storage and handling conditions.</p>
10.3	<p>POSSIBILITY OF HAZARDOUS REACTIONS: Possible dangerous reaction with reducing agents, oxidizing agents, acids, alkalis, peroxides.</p>
10.4	<p>CONDITIONS TO AVOID:</p> <ul style="list-style-type: none"> - 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.
10.5	<p>INCOMPATIBLE MATERIALS: Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</p>
10.6	<p>HAZARDOUS DECOMPOSITION PRODUCTS: As consequence of thermal decomposition, hazardous products may be produced: hydrochloric acid.</p>

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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 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICIDAD AGUDA

Dose and lethal concentrations for individual ingredients :

	<u>DL50</u> (OECD 401) mg/kg oral	<u>DL50</u> (OECD 402) mg/kg cutaneous	<u>CL50</u> (OECD 403) mg/m ³ 4hours inhalation
Dimethyl ether			309018. Rat
Acetone	5800. Rat	> 20000. Rabbit	100200. Rat
n-butyl acetate	10768. Rat	17600. Rabbit	23400. Rat
Isobutylmethylketone	2080. Rat	> 20000. Rabbit	8200. Rat
2-methoxy-1-methylethyl acetate	8532. Rat	> 5000. Rat	35700. Rat

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

CORROSIÓN / IRRITACIÓN / SENSIBILIZACIÓN :

Danger class	Affected organs	Principales efectos, agudos y/o retardados	Category
<u>Corrosión o irritación cutáneas:</u>			
<u>Lesión o irritación ocular grave:</u>			
<u>Sensibilización respiratoria:</u>			
<u>Sensibilización cutánea:</u>			

PELIGRO DE ASPIRACIÓN:

Danger class	Affected organs	Principales efectos, agudos y/o retardados	Category
<u>Peligro de aspiración:</u> Not classified	-	No aplicable.	

TOXICIDAD ESPECIFICA EN DE TERMINADOS ORGANOS (STOT): Exposicion unica (SE) y/o Exposicion repetida (RE):

Effects	SE/RE	Affected organs	Principales efectos, agudos y/o retardados	Category
<u>Cutaneous:</u>				
<u>Oseos:</u>				
<u>Muscular:</u>				
<u>Cardiovascular:</u>				
<u>Hematologic:</u>				
<u>Gastrointestinal:</u>				
<u>Endocrine:</u>				
<u>Immunological:</u>				
<u>Neurological:</u>	-		Puede provocar somnolencia o vértigo. NARCÓTICO: Puede provocar somnolencia o vértigo.	

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EFFECTOS CMR

Carcinogenic effects: Not available.
Genotoxicity: Not available.
Toxicity for reproduction: Not available.
Efectos vía lactancia:

No está clasificado como un producto perjudicial para los niños alimentados con leche materna.

EFFECTOS RETARDADOS, INMEDIATOS Y CRONICOS POR EXPOSICION A CORTO Y LARGO PLAZO:

Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.
Short-term exposure: 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.
Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Repeated exposure may cause skin dryness or cracking.

INFORMACION ADICIONAL:

Not available.

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> for individual ingredients :	<u>CL50 (OECD 203)</u> mg/l.96hours	<u>CE50 (OECD 202)</u> mg/l.48hours	<u>CE50 (OECD 201)</u> mg/l.72hours
	Dimethyl ether	4100. Fishes	4400. Daphnia	
	Acetone	5540. Fishes	12100. Daphnia	
	n-butyl acetate	18. Fishes	32. Daphnia	675. Algae
	Isobutylmethylketone	505. Fishes	170. Daphnia	400. Algae
	2-methoxy-1-methylethyl acetate	> 100. Fishes	408. Daphnia	> 1000. Algae
	<u>No observed effect concentration</u>			
	Not available			
	<u>Lowest observed effect concentration</u>			
	Not available			

12.2 PERSISTENCE AND DEGRADABILITY:

Not available.

12.3 BIOACCUMULATIVE POTENTIAL:

Not available.

12.4 MOBILITY IN SOIL:

Not available.

12.5 RESULTS OF PBT AND MPMBASSEMENT:

Not available.

12.6 OTHER ADVERSE EFFECTS:

Ozone depletion potential: Not available.
Photochemical ozone creation potential: Not available.
Earth global warming potential: In case of fire or incineration liberates CO2.
Endocrine disrupting potential: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS: Directive 2008/98/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.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:

Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself. Ensure the container is completely empty before throwing it away.

Procedures for neutralising or destroying the product:

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

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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 2013):
Transport by rail (RID 2013):

- 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 2012):

- 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.

OTHER REGULATIONS:
Not available

15.2 CHEMICAL SAFETY ASSESSMENT:
Not applicable (mixture).

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SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES 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. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. R36/37 Irritating to eyes and respiratory system.
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. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking.

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, 2011).
 - European agreement on the international carriage of dangerous goods by road, (ADR 2013).
 - 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.

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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.