


F-38 L
Solvent based Mixing System Products

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

- 1.1 Product identifier:** F-38 L
Solvent based Mixing System Products
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Liquid paint. For industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
BERNARDO ECENARRO, S.A.
Ugarte Industrialdea, 147
20720 Azkoitia - Gipuzkoa - Spain
Phone.: +34 943 74 28 00 - Fax: +34 943 74 06 03
msds@besa.es
http://www.besa.es
- 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:**
CLP Regulation (EC) No 1272/2008:
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning
- 
- Hazard statements:**
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 3: H226 - Flammable liquid and vapour
STOT SE 3: H336 - May cause drowsiness or dizziness
- Precautionary statements:**
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P280: Wear protective gloves/protective clothing/eye protection/face protection
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment
- Supplementary information:**
EUH066: Repeated exposure may cause skin dryness or cracking
EUH208: Contains Maleic anhydride. May produce an allergic reaction
- Substances that contribute to the classification**
N-butyl acetate; Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%); 1-butanol
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria

** Changes with regards to the previous version

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

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

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---|
| CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX | N-butyl acetate <input type="checkbox"/> ¹ <input type="checkbox"/> Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning | ATP CLP00 50 - <100 % |
| CAS: 64742-95-6 EC: 918-668-5 Index: Non-applicable REACH: 01-2119455851-35-XXXX | Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger | Self-classified 5 - <10 % |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX | Xylene <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning | ATP CLP00 2,5 - <5 % |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX | Xylene <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger | Self-classified 2,5 - <5 % |
| CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX | Ethylbenzene <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger | ATP ATP06 1 - <2,5 % |
| CAS: 71-36-3 EC: 200-751-6 Index: 603-004-00-6 REACH: 01-2119484630-38-XXXX | 1-butanol <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger | ATP CLP00 1 - <2,5 % |
| CAS: 107-98-2 EC: 203-539-1 Index: 603-064-00-3 REACH: 01-2119457435-35-XXXX | 1-methoxy-2-propanol <input type="checkbox"/> ¹ <input type="checkbox"/> Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | ATP ATP01 0,5 - <1 % |
| CAS: 108-31-6 EC: 203-571-6 Index: 607-096-00-9 REACH: 01-2119472428-31-XXXX | Maleic anhydride <input type="checkbox"/> ² <input type="checkbox"/> Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT RE 1: H372; EUH071 - Danger | ATP ATP13 <0,2 % |

¹ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

² Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

Other information:

| Identification | Specific concentration limit |
|--|---------------------------------------|
| Maleic anhydride CAS: 108-31-6 EC: 203-571-6 | % (w/w) >=0,001: Skin Sens. 1A - H317 |

** Changes with regards to the previous version

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 SDS 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:

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SECTION 4: FIRST AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm 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, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. 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:

Acute and delayed effects are indicated in sections 2 and 11.

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 full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). 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. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, 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 spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. 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:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

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.

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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. 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

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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 workplace

| Identification | | Environmental limits | |
|---|--------------|----------------------|-----------------------|
| Xylene CAS: 1330-20-7 EC: 215-535-7 | IOELV (8h) | 50 ppm | 221 mg/m ³ |
| | IOELV (STEL) | 100 ppm | 442 mg/m ³ |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | IOELV (8h) | 100 ppm | 442 mg/m ³ |
| | IOELV (STEL) | 200 ppm | 884 mg/m ³ |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | IOELV (8h) | 100 ppm | 375 mg/m ³ |
| | IOELV (STEL) | 150 ppm | 563 mg/m ³ |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | IOELV (8h) | 50 ppm | 221 mg/m ³ |
| | IOELV (STEL) | 100 ppm | 442 mg/m ³ |

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| N-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 |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) CAS: 64742-95-6 EC: 918-668-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 150 mg/m ³ | Non-applicable |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-------------------------|-----------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| Xylene 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 |
| Xylene 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 |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 293 mg/m ³ | 77 mg/m ³ | Non-applicable |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | Non-applicable | 310 mg/m ³ |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 50,6 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 553,5 mg/m ³ | 369 mg/m ³ | Non-applicable |
| Maleic anhydride CAS: 108-31-6 EC: 203-571-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | 0,04 mg/kg | Non-applicable | 0,04 mg/kg | Non-applicable |
| | Inhalation | 0,8 mg/m ³ | 0,8 mg/m ³ | 0,4 mg/m ³ | 0,4 mg/m ³ |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-------------------------|-------------------------|--------------------------|--------------------------|
| | | Systemic | Local | Systemic | Local |
| N-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 |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) CAS: 64742-95-6 EC: 918-668-5 | Oral | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 32 mg/m ³ | Non-applicable |
| Xylene 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 | Non-applicable | Non-applicable | 14,8 mg/m ³ | Non-applicable |
| Xylene 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 | Non-applicable | Non-applicable | 14,8 mg/m ³ | Non-applicable |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 15 mg/m ³ | Non-applicable |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | Oral | Non-applicable | Non-applicable | 3,125 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | Non-applicable | 55 mg/m ³ |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | Oral | Non-applicable | Non-applicable | 3,3 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 18,1 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 43,9 mg/m ³ | Non-applicable |

PNEC:

| Identification | | | | |
|---|--------------|----------------|-------------------------|--------------|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | STP | 35,6 mg/L | Fresh water | 0,18 mg/L |
| | Soil | 0,0903 mg/kg | Marine water | 0,018 mg/L |
| | Intermittent | 0,36 mg/L | Sediment (Fresh water) | 0,981 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0981 mg/kg |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|--|--------------|----------------|-------------------------|---------------|
| Xylene CAS: 1330-20-7 EC: 215-535-7 | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | STP | 9,6 mg/L | Fresh water | 0,1 mg/L |
| | Soil | 2,68 mg/kg | Marine water | 0,01 mg/L |
| | Intermittent | 0,1 mg/L | Sediment (Fresh water) | 13,7 mg/kg |
| | Oral | 20 g/kg | Sediment (Marine water) | 1,37 mg/kg |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | STP | 2476 mg/L | Fresh water | 0,082 mg/L |
| | Soil | 0,015 mg/kg | Marine water | 0,0082 mg/L |
| | Intermittent | 2,25 mg/L | Sediment (Fresh water) | 0,178 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0178 mg/kg |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | STP | 100 mg/L | Fresh water | 10 mg/L |
| | Soil | 5,49 mg/kg | Marine water | 1 mg/L |
| | Intermittent | 100 mg/L | Sediment (Fresh water) | 52,3 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 5,2 mg/kg |
| Maleic anhydride CAS: 108-31-6 EC: 203-571-6 | STP | 44,6 mg/L | Fresh water | 0,04281 mg/L |
| | Soil | 0,0415 mg/kg | Marine water | 0,004281 mg/L |
| | Intermittent | 0,4281 mg/L | Sediment (Fresh water) | 0,334 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0334 mg/kg |



8.2 Exposure controls:

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



As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| 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

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|---|--|
|  Mandatory hand protection | NON-disposable chemical protective gloves |  | EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |



"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection





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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|-------------|---|---|---|
|  Mandatory face protection | Face shield |  | EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN 13287:2008 EN ISO 20345:2011 EN 13832-1:2006 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|--|---|---|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

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 subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---------------------------|---------------------------------------|
| V.O.C. (Supply): | 81,88 % weight |
| V.O.C. density at 20 °C: | 745,11 kg/m ³ (745,11 g/L) |
| Average carbon number: | 6,43 |
| Average molecular weight: | 114,53 g/mol |

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: | Liquid |
| Appearance: | Viscous |
| Colour: | Yellowish |
| Odour: | Solvent |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 130 °C |
| Vapour pressure at 20 °C: | 1108 Pa |
| Vapour pressure at 50 °C: | 5526,23 Pa (5,53 kPa) |
| Evaporation rate 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 (continued)

Product description:

| | |
|--|-----------------------------|
| Density at 20 °C: | 860 - 960 kg/m ³ |
| Relative density at 20 °C: | 0,86 - 0,96 |
| Dynamic viscosity at 20 °C: | 354 - 394 cP |
| Kinematic viscosity at 20 °C: | 406 cSt |
| Kinematic viscosity at 40 °C: | >20,5 cSt |
| 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 properties: | Immiscible |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |

Flammability:

| | |
|----------------------------|------------------|
| Flash Point: | 25 °C |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 287 °C |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

Explosive:

| | |
|------------------------|------------------|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |

9.2 Other information:

| | |
|---------------------------|------------------|
| Surface tension at 20 °C: | Non-applicable * |
| 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 because the product is stable under recommended storage conditions. 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 specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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 | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

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Solvent based Mixing System Products

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 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 product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:

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

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : 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.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: 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.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: 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.
IARC: Xylene (3); Ethylbenzene (2B); Xylene (3)
- Mutagenicity: 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.
- Reproductive toxicity: 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.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

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

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

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

Other information:

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

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Solvent based Mixing System Products

SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Specific toxicology information on the substances:

| Identification | | Acute toxicity | | Genus |
|--|-----------------|----------------------|--|--------|
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | 2100 mg/kg | | Rat |
| | LD50 dermal | 1100 mg/kg (ATEi) | | Rat |
| | LC50 inhalation | 11 mg/L (4 h) (ATEi) | | |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | LD50 oral | 3500 mg/kg | | Rat |
| | LD50 dermal | 15354 mg/kg | | Rabbit |
| | LC50 inhalation | 17,2 mg/L (4 h) | | Rat |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) CAS: 64742-95-6 EC: 918-668-5 | LD50 oral | 3492 mg/kg | | Rat |
| | LD50 dermal | 3160 mg/kg | | Rabbit |
| | LC50 inhalation | 6193 mg/L (4 h) | | Rat |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | LD50 oral | 2292 mg/kg | | Rat |
| | LD50 dermal | 3400 mg/kg | | Rabbit |
| | LC50 inhalation | 24,66 mg/L (4 h) | | Rat |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | LD50 oral | 12789 mg/kg | | Rat |
| | LD50 dermal | 14112 mg/kg | | Rabbit |
| | LC50 inhalation | 23,4 mg/L (4 h) | | Rat |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | 2100 mg/kg | | Rat |
| | LD50 dermal | 1100 mg/kg (ATEi) | | Rat |
| | LC50 inhalation | 11 mg/L (4 h) (ATEi) | | |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | LD50 oral | >2000 mg/kg | | |
| | LD50 dermal | >2000 mg/kg | | |
| | LC50 inhalation | >20 mg/L | | |
| Maleic anhydride CAS: 108-31-6 EC: 203-571-6 | LD50 oral | >2000 mg/kg | | |
| | LD50 dermal | >2000 mg/kg | | |
| | LC50 inhalation | >5 mg/L | | |

Acute Toxicity Estimate (ATE mix):

| | ATE mix | Ingredient(s) of unknown toxicity |
|------------|--|-----------------------------------|
| Oral | >2000 mg/kg (Calculation method) | Non-applicable |
| Dermal | 16627,62 mg/kg (Calculation method) | 0 % |
| Inhalation | 137,94 mg/L (4 h) (Calculation method) | 0 % |

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

| Identification | | Acute toxicity | Species | Genus |
|--|------|--------------------|-------------------------|------------|
| N-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 | Algae |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) CAS: 64742-95-6 EC: 918-668-5 | LC50 | 1 - 10 mg/L (96 h) | | Fish |
| | EC50 | 1 - 10 mg/L | | Crustacean |
| | EC50 | 1 - 10 mg/L | | Algae |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LC50 | 13.5 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 3.4 mg/L (48 h) | Ceriodaphnia dubia | Crustacean |
| | EC50 | 10 mg/L (72 h) | Skeletonema costatum | Algae |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LC50 | 13.5 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 3.4 mg/L (48 h) | Ceriodaphnia dubia | Crustacean |
| | EC50 | 10 mg/L (72 h) | Skeletonema costatum | Algae |

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

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Solvent based Mixing System Products

SECTION 12: ECOLOGICAL INFORMATION ** (continued)

| Identification | | Acute toxicity | Species | Genus |
|----------------------|------|-------------------|---------------------------|------------|
| Ethylbenzene | LC50 | 42.3 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 100-41-4 | EC50 | 75 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-849-4 | EC50 | 63 mg/L (3 h) | Chlorella vulgaris | Algae |
| 1-butanol | LC50 | 1740 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 71-36-3 | EC50 | 1983 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 200-751-6 | EC50 | 500 mg/L (96 h) | Scenedesmus subspicatus | Algae |
| 1-methoxy-2-propanol | LC50 | 20800 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 107-98-2 | EC50 | 23300 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-539-1 | EC50 | 1000 mg/L (168 h) | Selenastrum capricornutum | Algae |

12.2 Persistence and degradability:

| Identification | | Degradability | | Biodegradability | |
|--|----------|----------------|-----------------|------------------|--|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BOD5 | Non-applicable | Concentration | Non-applicable | |
| | COD | Non-applicable | Period | 5 days | |
| | BOD5/COD | 0.79 | % Biodegradable | 84 % | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BOD5 | Non-applicable | Concentration | Non-applicable | |
| | COD | Non-applicable | Period | 28 days | |
| | BOD5/COD | Non-applicable | % Biodegradable | 88 % | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BOD5 | Non-applicable | Concentration | Non-applicable | |
| | COD | Non-applicable | Period | 28 days | |
| | BOD5/COD | Non-applicable | % Biodegradable | 88 % | |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BOD5 | Non-applicable | Concentration | 100 mg/L | |
| | COD | Non-applicable | Period | 14 days | |
| | BOD5/COD | Non-applicable | % Biodegradable | 90 % | |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | BOD5 | 1.71 g O2/g | Concentration | Non-applicable | |
| | COD | 2.46 g O2/g | Period | 19 days | |
| | BOD5/COD | 0.69 | % Biodegradable | 98 % | |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | BOD5 | Non-applicable | Concentration | 100 mg/L | |
| | COD | Non-applicable | Period | 28 days | |
| | BOD5/COD | Non-applicable | % Biodegradable | 90 % | |

12.3 Bioaccumulative potential:

| Identification | | Bioaccumulation potential | |
|--|-----------|---------------------------|--|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BCF | 4 | |
| | Pow Log | 1.78 | |
| | Potential | Low | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BCF | 9 | |
| | Pow Log | 2.77 | |
| | Potential | Low | |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BCF | 9 | |
| | Pow Log | 2.77 | |
| | Potential | Low | |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BCF | 1 | |
| | Pow Log | 3.15 | |
| | Potential | Low | |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | BCF | 1 | |
| | Pow Log | 0.88 | |
| | Potential | Low | |
| 1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1 | BCF | 3 | |
| | Pow Log | -0.44 | |
| | Potential | Low | |

12.4 Mobility in soil:

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

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Solvent based Mixing System Products

SECTION 12: ECOLOGICAL INFORMATION ** (continued)

| Identification | Absorption/desorption | | | Volatility |
|--|--------------------------------------|--|---------------------------------|--|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Koc Conclusion Surface tension | Non-applicable Non-applicable 2,478E-2 N/m (25 °C) | Henry Dry soil Moist soil | Non-applicable Non-applicable Non-applicable |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Koc Conclusion Surface tension | 202 Moderate Non-applicable | Henry Dry soil Moist soil | 524,86 Pa·m ³ /mol Yes Yes |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Koc Conclusion Surface tension | 202 Moderate Non-applicable | Henry Dry soil Moist soil | 524,86 Pa·m ³ /mol Yes Yes |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Koc Conclusion Surface tension | 520 Moderate 2,859E-2 N/m (25 °C) | Henry Dry soil Moist soil | 798,44 Pa·m ³ /mol Yes Yes |
| 1-butanol CAS: 71-36-3 EC: 200-751-6 | Koc Conclusion Surface tension | 2.44 Very High 2,567E-2 N/m (25 °C) | Henry Dry soil Moist soil | 5,39E-2 Pa·m ³ /mol Yes Yes |
| Maleic anhydride CAS: 108-31-6 EC: 203-571-6 | Koc Conclusion Surface tension | Non-applicable Non-applicable 1,673E-2 N/m (250,21 °C) | Henry Dry soil Moist soil | Non-applicable Non-applicable Non-applicable |

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Dangerous |

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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 (2014/955/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) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:

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Solvent based Mixing System Products

SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
 Special regulations: 163, 367, 650
 Tunnel restriction code: D/E
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 38-16:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
 Special regulations: 223, 955, 163, 367
 EmS Codes: F-E, S-E
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
 Segregation group: Non-applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2019:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Non-applicable

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) No 1907/2006 (REACH): Non-applicable
 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
 Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
 Article 95, REGULATION (EU) No 528/2012: Non-applicable
 REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

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- CONTINUED ON NEXT PAGE -

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Solvent based Mixing System Products

SECTION 15: REGULATORY INFORMATION (continued)

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------|-------------------------|-------------------------|
| P5c | | 5000 | 50000 |

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

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.

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

‘For professional users only’.

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

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) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
Maleic anhydride (108-31-6)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Supplementary information

Texts of the legislative phrases mentioned in section 2:

- H336: May cause drowsiness or dizziness
- H412: Harmful to aquatic life with long lasting effects
- H226: Flammable liquid and vapour
- H319: Causes serious eye irritation

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled
Acute Tox. 4: H332 - Harmful if inhaled
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways
Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 2: H225 - Highly flammable liquid and vapour
Flam. Liq. 3: H226 - Flammable liquid and vapour
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)
STOT SE 3: H335 - May cause respiratory irritation
STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

STOT SE 3: Calculation method
Aquatic Chronic 3: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

Advice related to training:

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

Principal bibliographical sources:

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

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon

The information contained in this safety 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 safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -