

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

1.1 Product identifier: BESA-VAL

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.

Acute Tox. 4: Acute toxicity, Category 4, H312+H332 Eye Irrit. 2: Eye irritation, Category 2, H319 Flam. Liq. 3: Flammable liquids, Category 3, H226 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1A: Sensitisation, skin, Category 1A, H317 STOT RE 2: Specific target organ toxicity if swallowed, repeated exposure, Category 2, H373 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1A: H317 - May cause an allergic skin reaction STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral) STOT SE 3: H335 - May cause respiratory irritation

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:** Contains Butanone oxime

Substances that contribute to the classification

Xylene; 2-butoxyethanol; Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%); Cobalt bis(2-ethylhexanoate)

2.3 Other hazards:

** Changes with regards to the previous version



SECTION 2: HAZARDS IDENTIFICATION ** (continued)

Product fails to meet PBT/vPvB criteria

** Changes with regards to the previous version

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: | 1330-20-7 | Xylene□¹□ | Self-classified | | |
| | C: 215-535-7 ndex: 601-022-00-9 REACH: 01-2119488216-32- XXXX | 022-00-9 Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: 119488216-32- Regulation 1272/2008 | | | |
| CAS: | 111-76-2 | 2-butoxyethanol 1 | ATP CLP00 | | |
| | 203-905-0 603-014-00-0 01-2119475108-36- XXXX | Regulation 1272/2008 | Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | 1 - <2,5 % | |
| CAS: | 64742-95-6 | Hydrocarbons, C9, ar | romatics (EC 200-753-7 <0,1%)□1□ Self-classified | | |
| | 918-668-5 Non-applicable 01-2119455851-35- XXXX | Regulation 1272/2008 | Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: () () () () () () () () () () () () () | 1 - <2,5 % | |
| CAS: | 96-29-7 | Butanone oxime | ATP CLP00 | | |
| | 202-496-6 616-014-00-0 01-2119539477-28- XXXX | Regulation 1272/2008 | Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - 🗘 🐼 🕹 | 0,5 - <1 % | |
| CAS: | 108-10-1 | 4-methylpentan-2-one□2□ ATP CLP00 | | | |
| | 203-550-1 606-004-00-4 01-2119473980-30- XXXX | Regulation 1272/2008 | Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335; EUH066 - Danger | 0,5 - <1 % | |
| CAS: | 136-51-6 | calcium bis(2-ethylh | exanoate) 🗆 1 🗌 Self-classified | | |
| Index: I REACH: (| 205-249-0 Non-applicable 01-2119978297-19- XXXX | Regulation 1272/2008 | Eye Dam. 1: H318; Repr. 2: H361d - Danger | 0,25 - <0,5 % | |
| CAS: | 34590-94-8 | Dipropylene Glycol Methyl Ether 2 Not classified | | | |
| Index: REACH: | 252-104-2 Non-applicable 01-2119450011-60- XXXX | Regulation 1272/2008 | | <0,2 % | |
| CAS: | 136-52-7 | Cobalt bis(2-ethylhe | xanoate) 1 Self-classified | | |
| | 205-250-6 Non-applicable 01-2119524678-29- XXXX | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360; Skin Sens. 1A: H317 - Danger | <0,2 % | |

 \square ¹ \square Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830 \square ² \square Substance with a Union workplace exposure limit

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

** 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:**



SECTION 4: FIRST AID MEASURES (continued)

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:

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 water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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 (CO \Box). 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 spilt 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:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

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.



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 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

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

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

| Minimum Temp.: | 5 ºC |
|----------------|-----------|
| 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 | | | |
|---------------------------------|----------------------|---------|-----------------------|--|
| Dipropylene Glycol Methyl Ether | IOELV (8h) | 50 ppm | 308 mg/m ³ | |
| CAS: 34590-94-8 EC: 252-104-2 | IOELV (STEL) | | | |
| Xylene | IOELV (8h) | 50 ppm | 221 mg/m ³ | |
| CAS: 1330-20-7 EC: 215-535-7 | IOELV (STEL) | 100 ppm | 442 mg/m ³ | |
| 4-methylpentan-2-one | IOELV (8h) | 20 ppm | 83 mg/m ³ | |
| CAS: 108-10-1 EC: 203-550-1 | IOELV (STEL) | 50 ppm | 208 mg/m ³ | |
| 2-butoxyethanol | IOELV (8h) | 20 ppm | 98 mg/m ³ | |
| CAS: 111-76-2 EC: 203-905-0 | IOELV (STEL) | 50 ppm | 246 mg/m ³ | |

DNEL (Workers):

| | | Short | exposure | Long exposure | |
|-----------------|------------|-----------------------|-----------------------|----------------------|----------------|
| Identification | | Systemic | Local | Systemic | Local |
| Xylene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | 289 mg/m ³ | 289 mg/m ³ | 77 mg/m ³ | Non-applicable |
| 2-butoxyethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 111-76-2 | Dermal | 89 mg/kg | Non-applicable | 75 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 663 mg/m ³ | 246 mg/m ³ | 98 mg/m ³ | Non-applicable |



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| | | Short exposure | | Long exposure | |
|--------------------------------------------------|------------|-----------------------|-----------------------|-------------------------|--------------------------|
| Identification | | Systemic | Local | Systemic | Local |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 64742-95-6 | Dermal | Non-applicable | Non-applicable | 25 mg/kg | Non-applicable |
| EC: 918-668-5 | Inhalation | Non-applicable | Non-applicable | 150 mg/m ³ | Non-applicable |
| Butanone oxime | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 96-29-7 | Dermal | 2,5 mg/kg | Non-applicable | 1,3 mg/kg | Non-applicable |
| EC: 202-496-6 | Inhalation | Non-applicable | Non-applicable | 9 mg/m ³ | 3,33 mg/m ³ |
| 4-methylpentan-2-one | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 108-10-1 | Dermal | Non-applicable | Non-applicable | 11,8 mg/kg | Non-applicable |
| EC: 203-550-1 | Inhalation | 208 mg/m ³ | 208 mg/m ³ | 83 mg/m ³ | 83 mg/m ³ |
| calcium bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 136-51-6 | Dermal | Non-applicable | Non-applicable | 5,67 mg/kg | Non-applicable |
| EC: 205-249-0 | Inhalation | Non-applicable | Non-applicable | 39,98 mg/m ³ | Non-applicable |
| Dipropylene Glycol Methyl Ether | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 34590-94-8 | Dermal | Non-applicable | Non-applicable | 65 mg/kg | Non-applicable |
| EC: 252-104-2 | Inhalation | Non-applicable | Non-applicable | 310 mg/m ³ | Non-applicable |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,2351 mg/m ³ |

DNEL (General population):

| | Short | exposure | Long exposure | | |
|--------------------------------------------------|------------|-----------------------|-----------------------|------------------------|-------------------------|
| Identification | | Systemic | Local | Systemic | Local |
| Xylene | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 108 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | Non-applicable | Non-applicable | 14,8 mg/m ³ | Non-applicable |
| 2-butoxyethanol | Oral | 13,4 mg/kg | Non-applicable | 3,2 mg/kg | Non-applicable |
| CAS: 111-76-2 | Dermal | 44,5 mg/kg | Non-applicable | 38 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 426 mg/m ³ | 123 mg/m ³ | 49 mg/m ³ | Non-applicable |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) | Oral | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| CAS: 64742-95-6 | Dermal | Non-applicable | Non-applicable | 11 mg/kg | Non-applicable |
| EC: 918-668-5 | Inhalation | Non-applicable | Non-applicable | 32 mg/m ³ | Non-applicable |
| Butanone oxime | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 96-29-7 | Dermal | 1,5 mg/kg | Non-applicable | 0,78 mg/kg | Non-applicable |
| EC: 202-496-6 | Inhalation | Non-applicable | Non-applicable | 2,7 mg/m ³ | 2 mg/m ³ |
| 4-methylpentan-2-one | Oral | Non-applicable | Non-applicable | 4,2 mg/kg | Non-applicable |
| CAS: 108-10-1 | Dermal | Non-applicable | Non-applicable | 4,2 mg/kg | Non-applicable |
| EC: 203-550-1 | Inhalation | Non-applicable | Non-applicable | 14,7 mg/m ³ | Non-applicable |
| calcium bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | 2,83 mg/kg | Non-applicable |
| CAS: 136-51-6 | Dermal | Non-applicable | Non-applicable | 2,83 mg/kg | Non-applicable |
| EC: 205-249-0 | Inhalation | Non-applicable | Non-applicable | 9,86 mg/m ³ | Non-applicable |
| Dipropylene Glycol Methyl Ether | Oral | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| CAS: 34590-94-8 | Dermal | Non-applicable | Non-applicable | 15 mg/kg | Non-applicable |
| EC: 252-104-2 | Inhalation | Non-applicable | Non-applicable | 37,2 mg/m ³ | Non-applicable |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | 0,0558 mg/kg | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,037 mg/m ³ |
| PNEC: | | | | | |

| Identification | | | | |
|----------------|--------------|----------------|-------------------------|-------------|
| Xylene | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| CAS: 1330-20-7 | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| EC: 215-535-7 | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---------------------------------|--------------|----------------|-------------------------|----------------|
| 2-butoxyethanol | STP | 463 mg/L | Fresh water | 8,8 mg/L |
| CAS: 111-76-2 | Soil | 3,13 mg/kg | Marine water | 0,88 mg/L |
| EC: 203-905-0 | Intermittent | 9,1 mg/L | Sediment (Fresh water) | 34,6 mg/kg |
| | Oral | 20 g/kg | Sediment (Marine water) | Non-applicable |
| Butanone oxime | STP | 177 mg/L | Fresh water | 0,256 mg/L |
| CAS: 96-29-7 | Soil | Non-applicable | Marine water | Non-applicable |
| EC: 202-496-6 | Intermittent | 0,118 mg/L | Sediment (Fresh water) | Non-applicable |
| | Oral | Non-applicable | Sediment (Marine water) | Non-applicable |
| 4-methylpentan-2-one | STP | 27,5 mg/L | Fresh water | 0,6 mg/L |
| CAS: 108-10-1 | Soil | 1,3 mg/kg | Marine water | 0,06 mg/L |
| EC: 203-550-1 | Intermittent | 1,5 mg/L | Sediment (Fresh water) | 8,27 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,83 mg/kg |
| calcium bis(2-ethylhexanoate) | STP | 71,7 mg/L | Fresh water | 0,36 mg/L |
| CAS: 136-51-6 | Soil | 1,06 mg/kg | Marine water | 0,036 mg/L |
| EC: 205-249-0 | Intermittent | 0,493 mg/L | Sediment (Fresh water) | 6,37 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,637 mg/kg |
| Dipropylene Glycol Methyl Ether | STP | 4168 mg/L | Fresh water | 19 mg/L |
| CAS: 34590-94-8 | Soil | 2,74 mg/kg | Marine water | 1,9 mg/L |
| EC: 252-104-2 | Intermittent | 190 mg/L | Sediment (Fresh water) | 70,2 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 7,02 mg/kg |
| Cobalt bis(2-ethylhexanoate) | STP | 0,37 mg/L | Fresh water | 0,00051 mg/L |
| CAS: 136-52-7 | Soil | 7,9 mg/kg | Marine water | 0,00236 mg/L |
| EC: 205-250-6 | Intermittent | Non-applicable | Sediment (Fresh water) | 9,5 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 9,5 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 trac protection | Filter mask for gases, vapours and particles | | EN 149:2001+A1:2009 EN 405:2001+A1:2009 | Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. |
| C Specific prote | ction for the hands | | | |
| Pictogram | PPE | Labelling | CEN Standard | Remarks |
| Mandatory han protection | NON-disposable chemical protective gloves | | EN ISO 374-1:2016 EN 16523-1:2015 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



Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

BESA-VAL Solvent based Mixing System Products

| TION | 8: EXPOSURE | CONTROLS | 6/PERSONA | L PROTECTI | ON (continue | d) | | | |
|-------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|--|
| | Pictogram | PP | E | Labelling | CEN Standa | ard | Remarks | | |
| | Mandatory face protection | Face s | shield | | EN 166:20 EN 167:20 EN 168:20 EN ISO 4007: | 01 Cl 01 th | lean daily and disinfect periodically according to ne manufacturer 's instructions. Use if there is a risk of splashing. | | |
| E Body protection | | | | | | | | | |
| | Pictogram | PP | Έ | Labelling | CEN Standa | ard | Remarks | | |
| | Mandatory complete body protection | Disposable (protection aga risks, with ar fireproof p | inst chemical ntistatic and | | EN 1149-1, EN 13034:2005+ EN ISO 139 1:2004/A1:2 EN ISO 6529: EN ISO 6530: EN ISO 13688 EN ISO 13688 EN 464:19 | A1:2009 82- 010 2013 2005 :2013 | 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 ISO 13287 EN ISO 20345 EN 13832-1:: | :2011 | Replace boots at any sign of deterioration. | | |
| F | Additional emerge | ency measure | es . | | | | | | |
| | Emergency mea | asure | Sta | andards | Emerge | ency measure | Standards | | |
| Emergency shower | | | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 | | | • + T ash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 | | |

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): | 60,47 % weight |
|---------------------------|---------------------------------------|
| V.O.C. density at 20 °C: | 586,53 kg/m ³ (586,53 g/L) |
| Average carbon number: | 7,91 |
| Average molecular weight: | 107,04 g/mol |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

| - | | | | | | | | |
|---|---|---|----|-----|---|---|---|-----|
| Δ | n | n | ea | a r | a | n | c | • ۵ |
| _ | μ | μ | ~ | | u | | - | |

| Physical state at 20 °C: | Liquid |
|----------------------------------------------------------------------|---------------------------------|
| Appearance: | Viscous |
| Colour: | Yellowish |
| Odour: | Solvent |
| Odour threshold: | Non-applicable * |
| Volatility: | |
| Boiling point at atmospheric pressure: | 139 °C |
| Vapour pressure at 20 °C: | 714 Pa |
| Vapour pressure at 50 °C: | 3948,6 Pa (3,95 kPa) |
| Evaporation rate at 20 °C: | Non-applicable * |
| *Not relevant due to the nature of the product, not providing inform | nation property of its hazards. |
| | |



| Product description: | |
|----------------------------------------------|------------------|
| Density at 20 °C: | 920 - 1020 kg/m³ |
| Relative density at 20 °C: | 0,92 - 1,02 |
| Dynamic viscosity at 20 °C: | 373 - 377 сР |
| Kinematic viscosity at 20 °C: | 387 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: | 26 °C |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 238 °C |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |
| Explosive: | |
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |
| Other information: | |
| Surface tension at 20 °C: | Non-applicable * |

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

| SLCT | ECTION 10: STABILITY AND REACTIVITY | | | | | | |
|------|-------------------------------------|--------------------------|------------------------------|---------------------------|-------------------------------|--|--|
| 10.1 | Reactivity: | | | | | | |
| | No hazardous reactions are | expected because the | product is stable under reco | mmended storage condit | ions. 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 condition | ons, hazardous reactions | s that lead to excessive tem | peratures or pressure are | e not expected. | | |
| 10.4 | Conditions to avoid: | | | | | | |
| | Applicable for handling and | storage at room tempe | rature: | | | | |
| | 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 | on products: | | | | | |



BESA-VAL

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: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):
 - Acute toxicity : 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.
 - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - 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. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
 - IARC: Xylene (3); 4-methylpentan-2-one (2B); 2-butoxyethanol (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. However, it does 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, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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

- Specific target organ toxicity (STOT)-repeated 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.

- Skin: 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.

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



SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Non-applicable

Specific toxicology information on the substances:

| Identification | Ac | ute toxicity | Genus |
|--------------------------------------------------|-----------------|----------------------|--------|
| Xylene | LD50 oral | 2100 mg/kg | Rat |
| CAS: 1330-20-7 | LD50 dermal | 1100 mg/kg (ATEi) | Rat |
| EC: 215-535-7 | LC50 inhalation | 11 mg/L (4 h) (ATEi) | |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) | LD50 oral | 3492 mg/kg | Rat |
| CAS: 64742-95-6 | LD50 dermal | 3160 mg/kg | Rabbit |
| EC: 918-668-5 | LC50 inhalation | 6193 mg/L (4 h) | Rat |
| 2-butoxyethanol | LD50 oral | 1414 mg/kg | Rat |
| CAS: 111-76-2 | LD50 dermal | 1060 mg/kg | Rabbit |
| EC: 203-905-0 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Butanone oxime | LD50 oral | 2100 mg/kg | Rat |
| CAS: 96-29-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 202-496-6 | LC50 inhalation | >20 mg/L | |
| 4-methylpentan-2-one | LD50 oral | 2080 mg/kg | |
| CAS: 108-10-1 | LD50 dermal | >2000 mg/kg | |
| EC: 203-550-1 | LC50 inhalation | >20 mg/L | |
| calcium bis(2-ethylhexanoate) | LD50 oral | 2043 mg/kg | Rat |
| CAS: 136-51-6 | LD50 dermal | >2000 mg/kg | |
| EC: 205-249-0 | LC50 inhalation | >5 mg/L | |
| Dipropylene Glycol Methyl Ether | LD50 oral | >2000 mg/kg | |
| CAS: 34590-94-8 | LD50 dermal | >2000 mg/kg | |
| EC: 252-104-2 | LC50 inhalation | >20 mg/L | |
| Cobalt bis(2-ethylhexanoate) | LD50 oral | >2000 mg/kg | |
| CAS: 136-52-7 | LD50 dermal | >2000 mg/kg | |
| EC: 205-250-6 | LC50 inhalation | >5 mg/L | |

| | ATE mix | Ingredient(s) of unknown toxicity |
|------------|---------------------------------------|-----------------------------------|
| Oral | 70700 mg/kg (Calculation method) | 0 % |
| Dermal | 1910,2 mg/kg (Calculation method) | 0 % |
| Inhalation | 19,13 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 |
|--------------------------------------------------|------|--------------------|---------------------------------|------------|
| Xylene | LC50 | 13.5 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 1330-20-7 | EC50 | 3.4 mg/L (48 h) | Ceriodaphnia dubia | Crustacean |
| EC: 215-535-7 | EC50 | 10 mg/L (72 h) | Skeletonema costatum | Algae |
| 2-butoxyethanol | LC50 | 1490 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 111-76-2 | EC50 | 1815 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-905-0 | EC50 | 911 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |
| Hydrocarbons, C9, aromatics (EC 200-753-7 <0,1%) | LC50 | 1 - 10 mg/L (96 h) | | Fish |
| CAS: 64742-95-6 | EC50 | 1 - 10 mg/L | | Crustacean |
| EC: 918-668-5 | EC50 | 1 - 10 mg/L | | Algae |
| Butanone oxime | LC50 | 843 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 96-29-7 | EC50 | 750 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-496-6 | EC50 | 83 mg/L (72 h) | Scenedesmus subspicatus | Algae |

** Changes with regards to the previous version



SECTION 12: ECOLOGICAL INFORMATION ** (continued)

| Identification | | Acute toxicity | Species | Genus |
|---------------------------------|------|---------------------|-------------------------|------------|
| 4-methylpentan-2-one | LC50 | 900 mg/L (48 h) | Leuciscus idus | Fish |
| CAS: 108-10-1 | EC50 | 862 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-550-1 | EC50 | 980 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| calcium bis(2-ethylhexanoate) | LC50 | 270 mg/L (96 h) | N/A | Fish |
| CAS: 136-51-6 | EC50 | Non-applicable | | |
| EC: 205-249-0 | EC50 | Non-applicable | | |
| Dipropylene Glycol Methyl Ether | LC50 | 10000 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 34590-94-8 | EC50 | 1919 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 252-104-2 | EC50 | Non-applicable | | |
| Cobalt bis(2-ethylhexanoate) | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| CAS: 136-52-7 | EC50 | 0.1 - 1 mg/L | | Crustacean |
| EC: 205-250-6 | EC50 | 0.1 - 1 mg/L | | Algae |

12.2 Persistence and degradability:

| Identification | Deg | radability | Biodegrada | ability |
|---------------------------------|----------|----------------|-----------------|----------------|
| Xylene | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 1330-20-7 | COD | Non-applicable | Period | 28 days |
| EC: 215-535-7 | BOD5/COD | Non-applicable | % Biodegradable | 88 % |
| 2-butoxyethanol | BOD5 | 0.71 g O2/g | Concentration | 100 mg/L |
| CAS: 111-76-2 | COD | 2.2 g O2/g | Period | 14 days |
| EC: 203-905-0 | BOD5/COD | 0.32 | % Biodegradable | 96 % |
| Butanone oxime | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 96-29-7 | COD | Non-applicable | Period | 28 days |
| EC: 202-496-6 | BOD5/COD | Non-applicable | % Biodegradable | 24 % |
| 4-methylpentan-2-one | BOD5 | 2.06 g O2/g | Concentration | 100 mg/L |
| CAS: 108-10-1 | COD | 2.16 g O2/g | Period | 14 days |
| EC: 203-550-1 | BOD5/COD | 0.95 | % Biodegradable | 84 % |
| calcium bis(2-ethylhexanoate) | BOD5 | Non-applicable | Concentration | 20 mg/L |
| CAS: 136-51-6 | COD | Non-applicable | Period | 28 days |
| EC: 205-249-0 | BOD5/COD | Non-applicable | % Biodegradable | 99 % |
| Dipropylene Glycol Methyl Ether | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 34590-94-8 | COD | 0.00202 g O2/g | Period | 28 days |
| EC: 252-104-2 | BOD5/COD | Non-applicable | % Biodegradable | 73 % |

12.3 Bioaccumulative potential:

| Identification | Bioaccu | Bioaccumulation potential | |
|---------------------------------|-----------|---------------------------|--|
| Xylene | BCF | 9 | |
| CAS: 1330-20-7 | Pow Log | 2.77 | |
| EC: 215-535-7 | Potential | Low | |
| 2-butoxyethanol | BCF | 3 | |
| CAS: 111-76-2 | Pow Log | 0.83 | |
| EC: 203-905-0 | Potential | Low | |
| Butanone oxime | BCF | 5 | |
| CAS: 96-29-7 | Pow Log | 0.59 | |
| EC: 202-496-6 | Potential | Low | |
| 4-methylpentan-2-one | BCF | 2 | |
| CAS: 108-10-1 | Pow Log | 1.31 | |
| EC: 203-550-1 | Potential | Low | |
| calcium bis(2-ethylhexanoate) | BCF | | |
| CAS: 136-51-6 | Pow Log | 2.96 | |
| EC: 205-249-0 | Potential | | |
| Dipropylene Glycol Methyl Ether | BCF | 1 | |
| CAS: 34590-94-8 | Pow Log | -0.06 | |
| EC: 252-104-2 | Potential | Low | |

** Changes with regards to the previous version



SECTION 12: ECOLOGICAL INFORMATION ** (continued)

12.4 Mobility in soil:

| Identification | Absorp | tion/desorption | Volatility | |
|-------------------------------|-----------------|----------------------|------------|--------------------------------|
| Xylene | Кос | 202 | Henry | 524,86 Pa·m ³ /mol |
| CAS: 1330-20-7 | Conclusion | Moderate | Dry soil | Yes |
| EC: 215-535-7 | Surface tension | Non-applicable | Moist soil | Yes |
| 2-butoxyethanol | Кос | 8 | Henry | 1,621E-1 Pa·m³/mol |
| CAS: 111-76-2 | Conclusion | Very High | Dry soil | No |
| EC: 203-905-0 | Surface tension | 2,729E-2 N/m (25 °C) | Moist soil | Yes |
| Butanone oxime | Кос | 3 | Henry | Non-applicable |
| CAS: 96-29-7 | Conclusion | Very High | Dry soil | Non-applicable |
| EC: 202-496-6 | Surface tension | 2,57E-2 N/m (25 °C) | Moist soil | Non-applicable |
| 4-methylpentan-2-one | Кос | Non-applicable | Henry | Non-applicable |
| CAS: 108-10-1 | Conclusion | Non-applicable | Dry soil | Non-applicable |
| EC: 203-550-1 | Surface tension | 2,35E-2 N/m (25 °C) | Moist soil | Non-applicable |
| calcium bis(2-ethylhexanoate) | Кос | Non-applicable | Henry | 2,94E-1 Pa·m ³ /mol |
| CAS: 136-51-6 | Conclusion | Non-applicable | Dry soil | Yes |
| EC: 205-249-0 | Surface tension | Non-applicable | Moist soil | Yes |

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):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

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 recommended 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:



| SECTION 14: TRANSPC | DRT I | INFORMATION (continued) | |
|---------------------|-------|---------------------------------------------------------|-----------------------|
| | | | 194222 |
| | | UN number: | UN1263 |
| | | UN proper shipping name: Transport hazard class(es): | PAINT |
| | 14.5 | Labels: | 3 3 |
| | 1 / / | Packing group: | III |
| | | Environmental hazards: | No |
| | | Special precautions for user | |
| - | 1 110 | Special regulations: | 163, 367, 650 |
| | | Tunnel restriction code: | D/E |
| | | Physico-Chemical properties: | see section 9 |
| | | Limited quantities: | 5 L |
| 1 | 14.7 | Transport in bulk according | Non-applicable |
| | | to Annex II of Marpol and | |
| | | the IBC Code: | |
| Transport of dan | gero | us goods by sea: | |
| With regard to IMD | DG 39 | -18: | |
| 1 | 14.1 | UN number: | UN1263 |
| | | UN proper shipping name: | PAINT |
| 1 | 14.3 | Transport hazard class(es): | 3 |
| | | Labels: | 3 |
| | | Packing group: | III |
| 3/ | - | Environmental hazards: | No |
| V 1 | 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 Non emplicable |
| - | 4 4 7 | Segregation group: | Non-applicable |
| - | 14./ | Transport in bulk according to Annex II of Marpol and | Non-applicable |
| | | the IBC Code: | |
| Transport of dan | gero | us goods by air: | |
| With regard to IAT | A/ICA | O 2020: | |
| <u> </u> | 14.1 | UN number: | UN1263 |
| 1 | 14.2 | UN proper shipping name: | PAINT |
| | | Transport hazard class(es): | 3 |
| | | Labels: | 3 |
| 3/ 1 | 14.4 | Packing group: | III |
| * 1 | 14.5 | Environmental hazards: | No |
| 1 | 14.6 | Special precautions for user | |
| | | Physico-Chemical properties: | see section 9 |
| 1 | 14.7 | Transport in bulk according | Non-applicable |
| | | to Annex II of Marpol and the IBC Code: | |
| | | the IDC Coue. | |

SECTION 15: REGULATORY INFORMATION

| | 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 | | | | |
| Seveso III: | | | | | |
| | - CONTINUED ON NEXT PAGE - | | | | |
| | | | | | |



| SECT | ION 15: REGULATORY I | NFORMATION (cor | ntinued) | | | |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--|
| | a # | | S | Lower-tie | r Upper-tier | |
| | Section | | Description | requireme | nts requirements | |
| | P5c | alisation and the w | o of cortain dangaraw | 5000 s substances and mixtures (An | | |
| | etc): | ansation and the us | se of certain utiligerous | ה שמששנמוונים מונג וווגנעויפל (An | IICA AVII KEAUN, | |
| | etc): Shall not be used, as substatthe general public for enter — metallic glitter intended of — artificial snow and frost, — "whoopee" cushions, — silly string aerosols, — imitation excrement, — horns for parties, — decorative flakes and foa — artificial cobwebs, — stink bombs. Without prejudice to the ap suppliers shall ensure beforvisibly, legibly and indelibly 'For professional users only Shall not be used in: —ornamental articles intended and ashtrays, —tricks and jokes, —games for one or more particles Specific provisions in ter It is recommended to use to assessments in order to est product. Other legislation: | ance or as mixtures in tainment and decorati mainly for decoration, ams, plication of other Com re the placing on the n with: '. ded to produce light or articipants, or any arti- r ms of protecting pe he information include rablish the necessary r | aerosol dispensers where ve purposes such as the f munity provisions on the narket that the packaging r colour effects by means cle intended to be used as cople or the environme d in this safety data shee isk prevention measures f | these aerosol dispensers are inter following: classification, packaging and labell of aerosol dispensers referred to a of different phases, for example in s such, even with ornamental aspe | ing of substances, bove is marked ornamental lamps cts. | |
| | | | | | | |
| 15.2 | The product could be affected by sectorial legislation | | | | | |
| 15.2 | 2 Chemical safety assessment: The supplier has not carried out evaluation of chemical safety. | | | | | |
| | i ne supplier nas not carried | out evaluation of che | emical safety. | | | |
| | | | | | | |
| SECT | ION 16: OTHER INFORM | 1ATION | | | | |
| | Regulation (EC) No 1907/20 Modifications related to COMPOSITION/INFORMATI · New declared substances calcium bis(2-ethylhe · Removed substances 2-ethylhexanoic acid, CLP Regulation (EC) No 127 · Supplementary informati Texts of the legislative p H317: May cause an allergin H315: Causes skin irritation H335: May cause respirator H373: May cause damage t H312+H332: Harmful in con H226: Flammable liquid and H319: Causes serious eye in Texts of the legislative p | been designed in acco 206 (Regulation (EC) N the previous Safety ION ON INGREDIENTS exanoate) (136-51-6) zirconium salt (22464 72/2008 (SECTION 2, 2) tion bhrases mentioned in c skin reaction y irritation o organs through prolent intact with skin or if inf d vapour rritation bhrases mentioned in ot refer to the product th appear in section 3 | No 2015/830) 7 Data Sheet which con 5 (SECTION 3, SECTION 1 4-99-9) SECTION 16): in section 2: onged or repeated exposed naled | | sks.: | |
| | | - CC | ONTINUED ON NEXT PAG | Ε- | | |



SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Acute Tox. 4: H312 - Harmful in contact with skin Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Acute Tox. 4: H332 - Harmful if inhaled Aquatic Acute 1: H400 - Very toxic to aquatic life Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Carc. 2: H351 - Suspected of causing cancer 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 Repr. 1B: H360 - May damage fertility or the unborn child Repr. 2: H361d - Suspected of damaging the unborn child. Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction Skin Sens. 1A: H317 - May cause an allergic skin reaction 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:** Skin Sens. 1A: Calculation method

Skin Sens. 1A. Calculation method Skin Irrit. 2: Calculation method STOT SE 3: Calculation method STOT RE 2: Calculation method Acute Tox. 4: 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.