

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

| | |
|----------------------------|--|
| NAME OF THE PRODUCT | UHS Express activator for primer 1L |
| CODE | 020023 |
| DISTRIBUTOR | BOSSAUTO INNOVA, S.A. |
| ADDRESS | c/ Thomas Edison 16, Apartado de correos 95 |
| CITY | 08430 La Roca del Vallés (Barcelona) |
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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. CLP Regulation (EC) n°1272/2008

Classification of this product has been carried out in accordance with CLP Regulation n°1272/2008.

Acute Tox. 4: Acute inhalation toxicity, Category 4, 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. 1: Sensitisation, skin, Category 1, 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

A. CLP Regulation (EC) n°1272/2008:

Warning



• Hazard statements

Acute Tox. 4: H332 - Harmful 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. 1: 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

EUH204 Contains isocyanates. May produce and allergic reaction

• Substances that contribute to the classification

Xylene ; Hexamethylene diisocyanate, oligomers; Hexamethylene diisocyanate.

2.3. Other hazards

Product fails to meet PBT/vPvB criteria

3. COMPOSITION/INFORMATION ON INGREDIENTS






3.1. Substance





Non-applicable.

3.2. Mixture

Chemical description: Mixture composed of additives 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: 28182-81-2 EC: 931-274-8 Index: Non-applicable REACH: 01-2119475791-29-XXXX | Hexamethylene diisocyanate, oligomers ¹ Self-classified Regulation 1272/2008: Acute Tox. 4:H332; Skin Sens. 1 H317; STOT SE 3: H335 - Warning  | 25 - <50% |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX | Xylene ¹ Self-classified 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    | 25 - <50% |
| CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate ² ATP ATP01 Regulation 1272/2008: Flam. Liq. 3: H226 - Warning  | 5 - <10% |
| CAS: 822-06-0 | Hexamethylene diisocyanate ¹ ATP CLP00 | <0,2% |

| | | |
|--|--|-------|
| EC: 212-485-8 Index: 615-011-00-1 REACH: 01-2119457571-37-XXXX | Regulation 1272/2008: Acute Tox. 3: H331; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin sens. 1: H317; STOT SE 3:  H335 – Danger  | |
| CAS: 77-58-7 EC: 201-039-8 Index: Non-applicable REACH: 01-2119496068-27-XXXX | Dibutyltin Dilaurate ATP CLP00 Regulation 1272/2008: Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341; Repr. 1B: H360; Skin Corr. 1C: H314; Skin Sens. 1: H317; Stot RE 1: H372; STOT SE 1: H370 – Danger   | <0,2% |

1. Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) N° 2015/830
2. Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) N° 2015/830
3. Substance with a Union workplace exposure limit

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

Other information:

| Identification | Specific concentration limit |
|--|---|
| Hexamethylene diisocyanate CAS: 822-06-0 EC: 212-485-8 | % (w/w) $\geq 0,5$: Resp. Sens. 1 - H334 % (w/w) $\geq 0,5$: Skin Sens. 1 - H317 |

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 chemicals product or persistent discomfort, showing the MSDS of this product.

A. 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.

B. 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.

C. 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, as 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.

D. By ingestion/aspiration

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. 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.

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 tap 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 individual respiratory equipment. 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. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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 inertization agent. 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.

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 containers. 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

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

7.2. Condition for safe storage, including any incompatibilities

A. Technical measures for storage

| | |
|----------------------|-----------|
| Minimum temperature: | 5°C |
| Maximum Temperature: | 30°C |
| Maximum time: | 12 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 no necessary to provide any special recommendation regarding the uses of this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

A. Substances whose occupational exposure limits have to be monitored in the work environment

| Identification | Environmental limits |
|---|--|
| Xylene CAS: 1330-20-7 EC: 215-535-7 | IOELV (8h) 50ppm 221mg/m ³ IOELV (STEL) 100ppm 442mg/m ³ Year 2017 |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | IOELV (8h) 50ppm 275mg/m ³ IOELV (STEL) 100ppm 550mg/m ³ Year 2017 |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | IOELV (8h) IOELV (STEL) Year 2017 |

B. DNEL (Workers)

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|-----------------------|------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| Hexamethylene diisocyanate CAS: 822-06-0 EC: 212-485-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | 0,07mg/m ³ | 0,07mg/m ³ | 0,035mg/m ³ | 0,035mg/m ³ |
| Xylene (mix. isom.) CAS:1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 180mg/Kg. | Non-applicable |
| | Inhalation | 289mg/m ³ | 289mg/m ³ | 77mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 153,5mg/Kg. | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 275mg/m ³ | Non-applicable |
| Hexamethylene diisocyanate, oligomers CAS: 28182-81-2 EC: 931-274-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | 1mg/m ³ | Non-applicable | 0,5mg/m ³ |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | 1 mg/kg | Non-applicable | 0,2 mg/kg | Non-applicable |
| | Inhalation | 0,07 mg/m ³ | Non-applicable | 0,01 mg/m ³ | Non-applicable |

C. DNEL (General population)

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|----------------|-------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Xylene (mix. isom.) CAS:1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | 1,6mg/Kg. | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 108mg/Kg. | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 14,8mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | 1,67mg/Kg. | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 54,8mg/Kg. | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 33mg/m ³ | Non-applicable |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | Oral | 0,01 mg/kg | Non-applicable | 0,002 mg/Kg. | Non-applicable |
| | Dermal | 0,5 mg/kg | Non-applicable | 0,08 mg/Kg. | Non-applicable |
| | Inhalation | 0,02 mg/m ³ | Non-applicable | 0,0030mg/m ³ | Non-applicable |

D. PNEC

| Identification | | | | |
|---|--------------|-----------------|-------------------------|----------------|
| Hexamethylene diisocyanate CAS: 822-06-0 EC: 212-485-8 | STP | 8,42mg/L | Fresh water | 0,0774mg/L |
| | Soil | 0,0026mg/Kg. | Marine water | 0,00774mg/L |
| | Intermittent | 0,774mg/L | Sediment (Fresh water) | 0,01334mg/Kg. |
| | Oral | Non-applicable | Sediment (Marine water) | 0,001344mg/Kg |
| Xylene CAS:1330-20-7 EC: 215-535-7 | STP | 6,58mg/L | Fresh water | 0,327mg/L |
| | Soil | 2,31mg/Kg. | Marine water | 0,327mg/L |
| | Intermittent | 0,327mg/L | Sediment (Fresh water) | 12,46mg/Kg. |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46mg/Kg. |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | STP | 100mg/L | Fresh water | 0,635mg/L |
| | Soil | 0,29mg/Kg. | Marine water | 0,0635mg/L |
| | Intermittent | 6,35mg/L | Sediment (Fresh water) | 3,29mg/Kg. |
| | Oral | Non-applicable | Sediment (Marine water) | 0,329mg/Kg. |
| Hexamethylene diisocyanate, oligomers CAS: 28182-81-2 EC: 931-274-8 | STP | 38,3 mg/L | Fresh water | 0,127 mg/L |
| | Soil | 53182 mg/kg | Marine water | 0,0127 mg/L |
| | Intermittent | 1,27 mg/L | Sediment (Fresh water) | 266700 mg/Kg |
| | Oral | Non-applicable | Sediment (Marine water) | 26670 mg/kg |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | STP | 100 m/L | Fresh water | 0,000463 mg/L |
| | Soil | Non- applicable | Marine water | 0,0000463 mg/L |
| | Intermittent | 0,00463 mg/L | Sediment (Fresh water) | Non-applicable |
| | Oral | 0,2 g/kg | Sediment (Marine water) | Non-applicable |

8.2. Exposure controls

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



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

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it 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 |
|--|---------------------------------------|---|--------------|---|
|  Protective gloves against minor risks | Protective gloves against minor risks |  | | Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 and EN 374. |

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.



D. Ocular and facial protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|--|---------------------------------|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2001 EN ISO 4007:2012 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E. Bodily protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|--|---|
|  Mandatory complete body protection | Antistatic and fireproof protective clothing |  | EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2008/AC:2008 EN 1149-5:2008 | Limited protection against flames. |
|  Mandatory foot protection | Safety footwear with antistatic and heat resistant properties |  | EN 13287:2008 EN ISO 20345:2011 | Replace boots at any sign of deterioration. |

F. Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|--------------------------------|---|-------------------------------|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2002 |  Eyewash stations | DIN 12 899 ISO 3864-1:2002 |

G. 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 epigraph 7.1.D.

Volatile organic compounds:

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

| | |
|---------------------------|---------------------------------------|
| V.O.C. (Supply): | 54,8% weight |
| V.O.C. density at 20°C: | 542,52 Kg/m ³ (542,52 g/L) |
| Average carbon number: | 7,71 |
| Average molecular weight: | 109,97g/mol |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic physical and chemical properties

Not relevant due to the nature of the product, not providing information property of its hazards. For complete information see the product datasheet.

| | |
|---|----------------------------|
| Physical state at 20°C | Liquid |
| Appearance | Fluid |
| Colour | Colourless |
| Odour | Solvent |
| Odour threshold | Non-applicable* |
| Boiling point at atmospheric pressure | 138°C |
| Vapour pressure at 20°C | 701 Pa |
| Vapour pressure at 50°C | 3908 Pa (4 kPa) |
| Evaporation rate at 20°C | Non-applicable* |
| Density at 20°C | 980-1000 Kg/m ³ |
| Relative density at 20°C | 0,98 - 1 |
| Dynamic viscosity at 20°C | 42-24 cP |
| Kinematic viscosity a 20°C | 33 cSt |
| Kinematic viscosity at 40°C | Non-applicable |
| Concentration | Non-applicable* |
| pH | Non-applicable * |
| Vapour density at 20°C | Non-applicable * |
| Partition coefficient n-octanol/water at 20°C | Non-applicable * |
| Solubility in water at 20°C | Non-applicable * |
| Solubility property | Immiscible |
| Decomposition temperature | Non-applicable * |
| Melting point/freezing point | Non-applicable* |
| Explosive properties | Non-applicable* |
| Oxidising properties | Non-applicable* |
| Flash point | 27°C |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature | 315°C |
| Lower flammability limit | Not available |
| Upper flammability limit | Not available |
| Lower explosive limit | Non-applicable* |
| Upper explosive limit | Non-applicable* |
| 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.

10. STABILITY AND REACTIVITY

10.1. Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.2. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.3. Conditions to avoid

Applicable for handling and storage at room temperature:

| | |
|--------------------------|---------------------|
| Shock and friction: | Not applicable |
| Contact with air: | Not applicable |
| Increase in temperature: | Risk of combustion |
| Sunlight: | Avoid direct impact |
| Humidity: | Not applicable |

10.4. Incompatible materials

| | |
|------------------------|-------------------------------|
| Acids: | Avoid strong acids |
| Water: | Not applicable |
| Combustive materials: | Avoid direct impact |
| Combustible materials: | Not applicable |
| Others: | Avoid alkalis or strong bases |

10.5. Hazardous decomposition products

See epigraph 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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is no available.

Dangerous health implications:

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

A. Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain 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 cause a breakdown in 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 skin and the eyes:

- 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, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, however it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, however it does 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: Prolonged contact with skin can result in episodes of allergic contact dermatitis.

F. Specific target organ toxicity (STOT)-time 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 cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: 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.

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.

11.2. Other information

Non-applicable.

11.3. Specific toxicology information on the substances

| Identification | Acute toxicity | | Genus |
|---|-----------------|--------------------|-------|
| | LD50 oral | LD50 dermal | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LD50 oral | 8532mg/Kg. | Rat |
| | LD50 dermal | 5100mg/Kg. | Rat |
| | LC50 inhalation | 30mg/L (4h) | Rat |
| Xylene CAS:1330-20-7 EC: 215-535-7 | LD50 oral | 2100mg/Kg. | Rat |
| | LD50 dermal | 1100mg/Kg. (ATEi) | Rat |
| | LC50 inhalation | 11mg/L (4h) (ATEi) | |

| | | | |
|---|-----------------|---------------------|-----|
| Hexamethylene diisocyanate CAS:822-06-9 EC: 212-485-8 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | 3mg/L (4h) (ATEi) | |
| Hexamethylene diisocyanate, oligomers CAS: 28182-81-2 EC: 931-274-8 | LD50 oral | 5100mg/Kg. | Rat |
| | LD50 dermal | > 2000 mg/kg (ATEi) | |
| | LC50 inhalation | 11mg/L (4h) (ATEi) | |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | LD50 oral | 175mg/Kg. | Rat |
| | LD50 dermal | > 2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |

Acute Toxicity Estimate (ATE mix):

| | ATE mix | Ingredient(s) of unknown toxicity |
|------------|--------------------------------------|-----------------------------------|
| Oral | >2000 mg/kg (Calculation method) | Non-applicable |
| Dermal | 2347,92 mg/kg (Calculation method) | 0 % |
| Inhalation | 11,9 mg/L (4 h) (Calculation method) | 0 % |

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 | Specie | Genus |
|---|----------------|--------------------|----------------------|
| Xylene CAS:1330-20-7 EC: 215-535-7 | LC50 | 13,5mg/L (96h) | Oncorhynchus mykiss |
| | EC50 | 0,6mg/L (96h) | Gammarus lacustris |
| | EC50 | 10mg/L (72h) | Skeletonema costatum |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LC50 | 161mg/L (96h) | Pimephales promelas |
| | EC50 | 481mg/L (48h) | Daphnia sp. |
| | EC50 | Non-applicable | |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | LC50 | 0.1 - 1 mg/L (96h) | Fish |
| | EC50 | 0.1 - 1 mg/L | Crustacean |
| | EC50 | 0.1 - 1 mg/L | Algae |

12.2. Persistence and degradability

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|---------|
| | BOD5 | Non-applicable | Concentration | 785mg/L |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Code | Non-applicable | Period | 8 days |
| | BOD5/COD | Non-applicable | % degraded BOD | 100% |
| | BOD5 | Non-applicable | Concentration | 100mg/L |
| Hexamethylene diisocyanate CAS: 822-06-0 EC: 212-485-8 | Code | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % degraded BOD | 28% |
| | BOD5 | Non-applicable | Concentration | 100mg/L |
| Dibutyltin Dilaurate CAS: 77-58-7 EC: 201-039-8 | Code | Non-applicable | Non-applicable | 28 days |
| | BOD5/COD | Non-applicable | Non-applicable | 50% |
| | BOD5 | Non-applicable | 0,00054 g O2/g | 100mg/L |

12.3. Bioaccumulative potential

| Identification | Bioaccumulation potential | |
|---|---------------------------|------|
| Xylene (mixture of isomers) CAS:1330-20-7 EC: 215-535-7 | BCF | 9 |
| | POW Log | 2,77 |
| | Potential | Low |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 | BCF | 1 |
| | POW Log | 0,43 |

| | | |
|----------------------|-----------|----------|
| EC: 203-603-9 | Potential | Low |
| Dibutyltin Dilaurate | BCF | 31 |
| CAS: 77-58-7 | POW Log | 3,12 |
| EC:201-039-8 | Potential | Moderate |

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria

12.6. Other adverse effects

Not described.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Code: 08 01 11*

Description: Waste paint and varnish containing organic solvents or other dangerous substances.

Waste class (Regulation (EU) n° 1357/2014): Dangerous.

- Type of waste (Regulation (EU) n° 1357/2014): HP3 Flammable, HP4 Irritant — skin irritation and eye damage, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP13 Sensitising

- 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 subsection 6.2.

- Regulations related to waste management: In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated. Community legislation: Directive 2008/98/EC, 2014/955/EC, Regulation (EU) N° 1357/2014.

14. TRANSPORT INFORMATION

14.1. Transport of dangerous goods by land



With regard to ADR 2017 and RID 2017:

UN Number: UN1263

UN proper Shipping name: PAINT RELATED MATERIAL

Transport Hazard class(es): 3 Labels: 3

Packing group: III

Dangerous for the environment: No
Special regulations: 163, 367, 640E, 650
Tunnel restriction code: D/E
Physical-Chemical properties: see section 9
Limited quantities: 5L
Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

14.2. Transport of dangerous goods by sea



With regard to IMDG 38-16:
UN number: UN1263
UN proper shipping name: PAINT RELATED MATERIAL
Transport Hazard class(es): 3 Labels: 3
Packing group: III
Dangerous for the environment: No
Special regulations: 163, 223, 955, 367
EmS Codes: F-E, S-E
Physical-Chemical properties: see section 9
Limited quantities: 5L
Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

14.3. Transport of dangerous goods by air



With regard to IATA/OACI 2017:
UN number: UN1263
UN proper shipping name: PAINT RELATED MATERIAL
Transport Hazard class(es): 3 Labels: 3
Packing group: III
Dangerous for the environment: No
Physical-Chemical properties: see section 9
Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Candidate substances for authorisation under Regulations (EC) 1907/2006 (REACH): Non-applicable.
Substances included in Annex XIV of REACH ("Authorization List") and sunset date: Non-applicable.
Regulations (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable.

Article 95, REGULATION (EU) N° 528/2012: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) n° 528/2012): Non-applicable.

Regulation (EU) 649/2012, in relation to the import and export of hazardous chemical products: Contains Dibutyltin Dilaurate

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

"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: Its I recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, 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.

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) n°1907/2006 (Regulation (EC) N°2015/830).

Modifications related to the previous Safety Dta Sheet which concerns the ways managins risks.:

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

- New declared substances

Dibutyltin Dilaurte 77-58-7

CLP Regulation (EC) n° 1272/2008 (SECTION 2, SECTION 16):

· Supplementary information

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation

H315: Causes skin irritation

H373: May cause damage to organs through prolonged or repeated exposure (Oral)

H332: Harmful if inhaled

H226: Flammable liquid and vapour

H319: Causes serious eye irritation

Text of R-phrases considered 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.

A. CLP Regulation (EC) n°1272/2008

Acute Tox. 3: H331 - Toxic if inhaled

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 1: H410 - Very toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 3: H226 - Flammable liquid and vapour

Muta. 2: H341 - Suspected of causing genetic defects

Repr. 1B: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Skin Corr. 1C: 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. (Oral)

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral)

STOT SE 1: H370 - Causes damage to organs

STOT SE 3: H335 - May cause respiratory irritation

Classification procedure:

Skin Sens. 1: Calculation method

STOT SE 3: Calculation method

Skin Irrit. 2: 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 to prevent industrial risks for staff using this product, in order 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 Organization.
- COD: Chemical Oxygen Demand.
- BOD5: 5-day biochemical oxygen demand.
- BCF: Bioconcentration factor.
- LD50: Lethal Dose 50.
- CL50: Lethal Concentration 50.
- EC50: Effective concentration 50.
- Log-POW: Octanol-water partition coefficient.
- Koc: Partition Coefficient of organic carbon.

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