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## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.08.2021 Revision: 11.05.2021

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- · 1.1 Product identifier For Consumer / Private Households / General Public / Consumers
- · Trade name: Monstercolors pvc
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixtureSurface Coating
- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

MONSTERCOLORS 28 ROGART STREET GLASGOW G40 2AA

UNITED KINGDOM

TEL: +44 (0) 141 328 4034 EMAIL: info@monstercolors.com

- · Further information obtainable from: info@monstercolors.com
- · 1.4 Emergency telephone number: +44 (0)141 328 4034 (business hours)

#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272 /2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

  The product is classified and labelled according to the CLP regulation.
- · Hazard pictograms





GHS02

GHS07

- · Signal word Danger
- Hazard-determining components of labelling: methyl ethyl ketone
- · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, openflames and other ignition sources. No

smoking.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with wat er for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- PBT: Not applicable.vPvB: Not applicable.

#### SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

| · Dangerous components:   |  |                    |
|---|--|--------------------|
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Reg.nr.: 01-2119472128-37       | dimethyl ether  Flam. Gas 1A, H220; Press. Gas (Comp.), H280   | >50- <i>≤</i> 100% |
| CAS: 78-93-3<br>EINECS: 201-159-0<br>Reg.nr.: 01-2119457290-43        | methyl ethyl ketone  Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336   | >10- ≤25%          |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Reg.nr.: 01-2119485493-29-XXXX  | Butyl ethanoate  Flam. Liq. 3, H226;  STOT SE 3, H336  | >2.5- ≤10%         |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Reg.nr.: 01-2119475791-29       | 2-methoxy-1-methylethyl acetate  Flam. Liq. 3, H226;  STOT SE 3, H336  | >2.5- ≤10%         |
| CAS: 1330-20-7<br>EINECS: 215-535-7<br>Reg.nr.: 01-2119488216-32-xxxx | Xylene (mix)  ◆ Flam. Liq. 3, H226; ◆ STOT RE 2, H373; Asp. Tox. 1, H304; ◆ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | >1- ≤2.5%          |

<sup>·</sup> Additional information: For the wording of the listed hazard phrases refer to section 16.

#### **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly Remove contaminated clothing.

- · After eve contact:
- Rinse opened eye for several minutes under running water. if symtoms persist consult a doctor.
- · After swallowing:
- Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed treat symptomatically.

### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.

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| 108-65-6   | -math    | oxy-1-methylethyl acetate                             | td. of p |
|------------|----------|---|----------|
|            |          | value: 548 mg/m³, 100 ppm                             |          |
|            |          | value: 548 mg/m², 100 ppm<br>value: 274 mg/m³, 50 ppm |          |
| Sk         | y terrir | value: 274 mg/m , 50 ppm                              |          |
| 1330-20-7  | Xylene   | e (mix)   |          |
|            | -        | value: 441 mg/m³, 100 ppm                             |          |
| Long       | g-term   | value: 220 mg/m³, 50 ppm                              |          |
| Sk; E      | BMGV     |   |          |
| DNELs      |          |   |          |
| 115-10-6   | dimethy  | yl ether  |          |
| Inhalative | DNEL     | 471 mg/m³ (Con)                                       |          |
|            |          | 1,894 mg/m³ (Ind)                                     |          |
| 78-93-3 m  | ethyl e  | thyl ketone   |          |
| Oral       | DNEL     | \$1 mg/day (Con)                                      |          |
| Dermal     | DNEL     | 412 mg/day (Con)                                      |          |
|            |          | 1,161 mg/day (Ind)                                    |          |
| Inhalative | DNEL     | 106 mg/m³ (Con)                                       |          |
|            |          | 600 mg/m³ (Ind)                                       |          |
| 123-86-4 E | Butyl et | hanoate   |          |
| Oral       | DNEL     | 2 mg/day (Con)  |          |
| Dermal     | DNEL     | 6 mg/day (Con)  |          |
|            |          | 11 mg/day (Ind)                                       |          |
| Inhalative | DNEL     | 35.7 mg/m³ (Con)                                      |          |
|            |          | 300 mg/m³ (Ind)                                       |          |
| 108-65-6 2 | 2-meth   | oxy-1-methylethyl acetate                             |          |
| Oral       | DNEL     | 1.67 mg/day (Con)                                     |          |
| Dermal     | DNEL     | 54.8 mg/day (Con)                                     |          |
|            |          | 153.5 mg/day (Ind)                                    |          |
| Inhalative | DNEL     | 33 mg/m³ (Con)  |          |
|            |          | 275 mg/m³ (Ind)                                       |          |
| 1330-20-7  | Xylene   | e (mix)   |          |
| Dermal     | DNEL     | 108 mg/day (Con)                                      |          |
|            |          | 180 mg/day (Ind)                                      |          |
| Inhalative | DNEL     | 14.8 mg/m³ (Con)                                      |          |
|            |          | 77 mg/m³ (Ind)  |          |

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

CAS No. 123-86-4 Butyl Acetate

Freshwater: 0.18 mg/l Marine water: 0.018 mg/l

Fresh water sediment: 0.981 mg/kg Marine sediment: 0.0981 mg/kg

Soil: 0.0903 mg/kg

STP (sewage-treatment plant): 35.6 mg/l

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Intermittent use/release: 0.36 mg/l

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· Ingredients with biological limit values: 78-93-3 methyl ethyl ketone

BMGV 70 µmol/L

Medium: urine

Sampling time: post shift Parameter: butan-2-one

1330-20-7 Xylene (mix)

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clbtng

Wash hands before breaks and at the end of work.

Avoid contact with the eves.

Avoid contact with the eyes and skin.

· Respiratory protection:

Particulate cartridge filter type when LEV cannot be supplied When spraying the product, use a respiratory protective device.

· Protection of hands:



Protective gloves

· Eye protection: Safety glasses



Tightly sealed goggles

### **SECTION 9: Physical and chemical properties**

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Aerosol

Colour: According to product specification

· Odour: Characteristic · Odour threshold: Not determined.

Not determined. · pH-value:

· Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: -24.9 °C

-42 °C · Flash point:

· Flammability (solid, gas): Not applicable.

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|   | (Contd. of page 5  |
|---|--|
| · Ignition temperature:   | 226 ℃  |
| · Decomposition temperature:  | Not determined.  |
| · Auto-ignition temperature:  | Product is not selfigniting.   |
| · Explosive properties:   | Heating may cause an explosion.  |
| · Explosion limits:<br>Lower:<br>Upper:   | 1.8 Vol %<br>27 Vol %  |
| · Vapour pressure at 20 °C:   | 5,333 hPa  |
| <ul> <li>Density at 20 °C:</li> <li>Relative density</li> <li>Vapour density</li> <li>Evaporation rate</li> </ul> | 0.75 g/cm <sup>3</sup> Not determined. Not determined. Not applicable. |
| · Solubility in / Miscibility with water:   | NOT MISCIBLE   |
| · Partition coefficient: n-octanol/water:   | Not determined.  |
| · Viscosity:<br>Dynamic:<br>Kinematic:  | Not determined.<br>Not determined.                                     |
| · Solvent content:<br>Organic solvents:   | 90.9 %   |
| Solids content:   | 9.1 %  |
| · 9.2 Other information   | No further relevant information available.                             |

### SECTION 10: Stability and reactivity

- $\cdot$  10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products when stored and handled correctly

### **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

| · LD/LC50 \ | · LD/LC50 values relevant for classification: |                    |  |  |  |  |  |  |
|-------------|---|--------------------|--|--|--|--|--|--|
|             | 115-10-6 dimethyl ether                       |                    |  |  |  |  |  |  |
| Inhalative  | Inhalative LC50/4 h 248.49 mg/l (rat)         |                    |  |  |  |  |  |  |
| 78-93-3 m   | 78-93-3 methyl ethyl ketone                   |                    |  |  |  |  |  |  |
| Oral        | LD50  | 3,460 mg/kg (Rat)  |  |  |  |  |  |  |
| Dermal      | LD50  | 5,000 mg/kg (Rab)  |  |  |  |  |  |  |
| 123-86-4    | Butyl etha                                    | noate              |  |  |  |  |  |  |
| Oral        | LD50  | 10,760 mg/kg (rat) |  |  |  |  |  |  |

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|------------|-----------|------------------------|
| Dermal     | LD50      | 14,112 mg/kg (Rab)     |
| Inhalative | LC50/4 h  | 23.4 mg/l (Rat)        |
| 108-65-6 2 | 2-methoxy | -1-methylethyl acetate |
| Oral       | LD50      | >5,000 mg/kg (rat)     |
| Dermal     | LD50      | 5,000 mg/kg (Rat)      |
| Inhalative | LC50/4 h  | >10.8 mg/l (Rat)       |
| 1330-20-7  | Xylene (m | ix)                    |
| Oral       | LD50      | 5,000 mg/kg (Rat)      |
| Dermal     | LD50      | 2,000 mg/kg (rbt)      |
| Inhalative | LC50/4 h  | 11 mg/l (Rat)          |

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure

May cause drowsiness or dizziness.

- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

#### **SECTION 12: Ecological information**

- · 12.1 Toxicity
- · Aquatic toxicity:

Acute Fish toxicity

n-Butyl acetate

LC50 18 mg/l

Species: Pimephales promelas (fathead minnow)

Exposure duration: 96 h

Chronic Fish toxicity n-Butyl acetate No data available.

Acute toxicity for daphnia

n-Butyl acetate

EC50 44 mg/l

Species: Daphnia (water flea)

Exposure duration: 48 h

Chronic toxicity to daphnia

n-Butyl acetate

NOEC 23 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 21 d

Method: OECD Test Guideline 211

Acute toxicity for algae

n-Butyl acetate

EC50 675 mg/l

Species: Scenedesmus quadricauda (Green algae)

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Exposure duration: 72 h

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Acute bacterial toxicity

EC50 356 mg/l

Species: activated sludge Exposure duration: 40 h

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

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|---|----|----|---|--------|---|--|----|---|---|----|----|----|---|----|---|----|----|---|----|---|---|---|----|---|----|---|---|---|
|---|----|----|---|--------|---|--|----|---|---|----|----|----|---|----|---|----|----|---|----|---|---|---|----|---|----|---|---|---|

| · 14.1 | <b>UN-Number</b> | • |
|--------|------------------|---|
|--------|------------------|---|

· ADR, IMDG, IATA UN1950

· 14.2 UN proper shipping name

· ADR 1950 AEROSOLS
· IMDG AEROSOLS

· IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR



· Class 2 5F Gases. · Label 2.1

· IMDG, IATA



· Class 2.1 · Label 2.1

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| · 14.4 Packing group<br>· ADR, IMDG, IATA   | (Contd. of page   |
|---|---|
| · 14.5 Environmental hazards:   | Not applicable.   |
| <ul> <li>14.6 Special precautions for user</li> <li>Hazard identification number (Kemler code):</li> <li>EMS Number:</li> <li>Stowage Code</li> </ul> | Warning: Gases F-D,S-U SW1 Protected from sources of heat.  |
| · Segregation Code  | SW22 For AEROSOLS with a maximum capacity of 1 litred Category A. For AEROSOLS with a capacity above 1 litred Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  SG69 For AEROSOLS with a maximum capacity of 1 litred Segregation as for class 9. Stow "separated from" dass except for division 1.4.  For AEROSOLS with a capacity above 1 litre:  Segregation as for the appropriate subdivision of class 2 For WASTE AEROSOLS:  Segregation as for the appropriate subdivision of class 2 |
| · 14.7 Transport in bulk according to Annex II of<br>Marpol and the IBC Code  | Not applicable.   |
| · Transport/Additional information:   |   |
| <ul><li>ADR</li><li>Limited quantities (LQ)</li><li>Excepted quantities (EQ)</li></ul>  | 1L<br>Code: E0<br>Not permitted as Excepted Quantity  |
| <ul><li>Transport category</li><li>Tunnel restriction code</li></ul>  | 2<br>D  |
| <ul><li>· IMDG</li><li>· Limited quantities (LQ)</li><li>· Excepted quantities (EQ)</li></ul>   | 1L<br>Code: E0<br>Not permitted as Excepted Quantity  |
| · UN "Model Regulation":  | UN 1950 AEROSOLS, 2.1   |

### **SECTION 15: Regulatory information**

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- $\cdot$  Named dangerous substances ANNEX I  $\,$  None of the ingredients is listed.
- · Seveso categoryP3a FLAMMABLE AEROSOLS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

| Class | Share in % |
|-------|------------|
| NK    | 90.9       |

- $\cdot \ \text{Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.}$
- $\cdot$  15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish alegally valid contractual relationship.

· Full text of H-Statements referred to under sections 2 and 3:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

- · Department issuing SDS: Product safety department: LABORATORY
- · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial C hemical Substances

**ELINCS: European List of Notified Chemical Substances** 

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases - Category 1A

Aerosol 1: Aerosols - Category 1

Press. Gas (Comp.): Gases under pressure – Compress ed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – C ategory 2

STOT SE 3: Specific target organ toxicity (single e xposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

GB