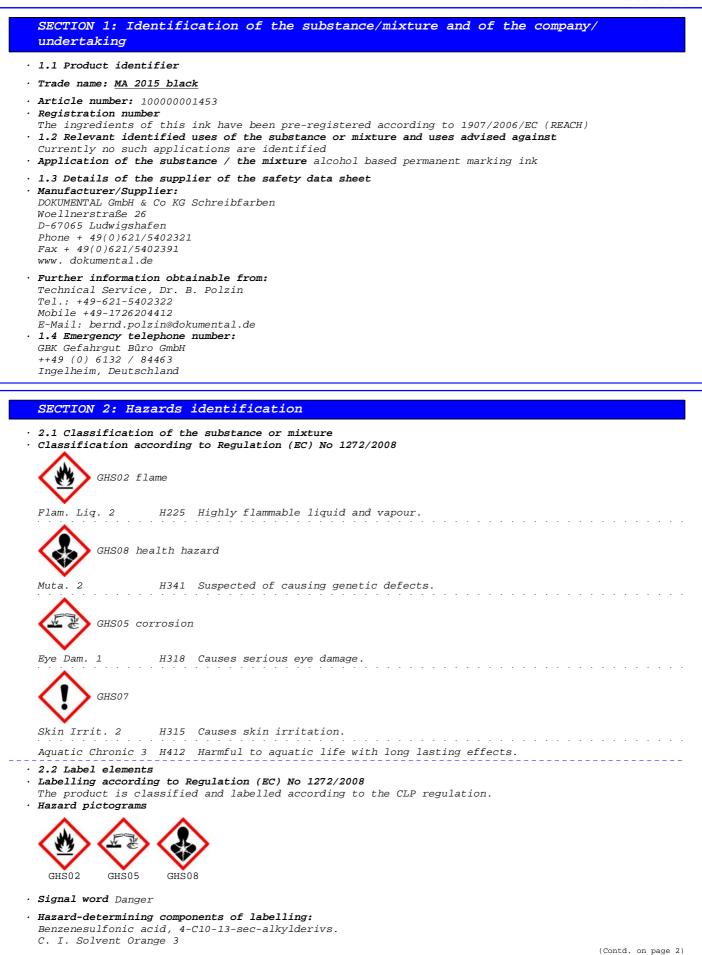


Page 1/7 Printing date 16.06.2015 Revision: 27.03.2018 Version number 8

EU



according to 1907/2006/EC, Article 31



Trade name: MA 2015 black

| | (Contd. of page 1) |
|---|--|
| • | Hazard statements |
| | H225 Highly flammable liquid and vapour. |
| | H315 Causes skin irritation. |
| | H318 Causes serious eye damage. |
| | H341 Suspected of causing genetic defects. |
| | H412 Harmful to aquatic life with long lasting effects. |
| · | Precautionary statements |
| | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| | P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P310 Immediately call a POISON CENTER/doctor. |
| | P405 Store locked up. |
| | P501 Dispose of contents/container in accordance with local/regional/national/ |
| | international regulations. |
| · | Additional information: |
| | EUH208 Contains C. I. Solvent Blue 4 < 0,1% Michler's Ketone. May produce an allergic reaction. |
| • | 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

- Mixture of the following substances, containing non-hazardous substances and colouring agents.
- · Description: Mixture of substances listed below with nonhazardous additions.

| Dangerous componen | | |
|--------------------|---|------------------|
| CAS: 64-17-5 | ethanol | 50-100% |
| EINECS: 200-578-6 | 🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319 | |
| CAS: 107-98-2 | 1-methoxy-2-propanol | 2,5-108 |
| EINECS: 203-539-1 | 🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336 | |
| CAS: 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkylderivs. | 2,5-108 |
| EINECS: 287-494-3 | 🚸 Skin Corr. 1C, H314; 🚸 Acute Tox. 4, H302; Aquatic Chronic 3, H412 | |
| CAS: 84281-86-7 | C. I. Solvent Violet 8 | 2,5-108 |
| EINECS: 282-630-8 | Aquatic Chronic 4, H413 | |
| CAS: 495-54-5 | C. I. Solvent Orange 3 | <u>≤</u> 2,5% |
| EINECS: 207-803-7 | Muta. 2, H341; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315 | |
| CAS: 6786-83-0 | C. I. Solvent Blue 4 < 0,1% Michler's Ketone | <u><</u> 1,0% |
| EINECS: 229-851-8 | 🚸 Eye Dam. 1, H318; 🚸 Skin Sens. 1B, H317 | |

the listed risk phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · After inhalation:
- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- · 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 No further relevant information available.

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.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

okumental power your pen

Page 3/7 Printing date 16.06.2015 Revision: 27.03.2018 Version number 8

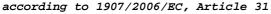
Trade name: MA 2015 black

| | <pre>Wear protective clothing. 6.2 Environmental precautions: Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. 6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</pre> | (Contd. of page 2) sawdust). |
|---|---|---------------------------------|
| | | |
| | SECTION 7: Handling and storage | |
| | SECTION /: Handling and Storage | |
| | 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect from heat. Protect against electrostatic charges. 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. 7.3 Specific end use(s) No further relevant information available. | |
| | | |
| | | |
| | SECTION 8: Exposure controls/personal protection | |
| | Additional information about design of technical facilities: No further data; see item 8.1 Control parameters Ingredients with limit values that require monitoring at the workplace: 107-98-2 1-methoxy-2-propanol (2,5-10%) | 7. |
| | IOELV Short-term value: 568 mg/m³, 150 ppm | |
| | Long-term value: 375 mg/m³, 100 ppm Skin | |
| • | 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 clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin. Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of in longer exposure use self-contained respiratory protective device. | itensive or |
| | Protective gloves | b. |
| | The glove material has to be impermeable and resistant to the product/ the substance/ t preparation. Due to missing tests no recommendation to the glove material can be given for the produ preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of dif | act/ the |

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation $% \left({{{\left[{{{c_1}} \right]}_{i_1}}} \right)$

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.





(Contd. of page 3)

Trade name: MA 2015 black

- Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - · Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

| · 9.1 Information on basic physical and chemical properties | | | |
|---|--|--|--|
| · General Information | | | |
| · Appearance: | | | |
| Form: | Fluid | | |
| Colour: | According to product specification | | |
| · Odour: | Product specific | | |
| · Odour threshold: | Not determined. | | |
| Important information on protection of health a | and | | |
| environment, and on safety. | - | | |
| | - | | |
| · <i>p</i> H-value: | Not determined. | | |
| · Change in condition | | | |
| Melting point/Melting range: | Undetermined. | | |
| Boiling point/Boiling range: | 78 °C | | |
| · Flash point: | 13 °C | | |
| · Flammability (solid, gaseous): | Not applicable. | | |
| · Ignition temperature: | 287 °C | | |
| • Decomposition temperature: | Not determined. | | |
| · Self-igniting: | Product is not selfigniting. | | |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. | | |
| • Explosion limits: | | | |
| Lower: | 1,7 Vol % | | |
| Upper: | 15,0 Vol % | | |
| • Vapour pressure at 20 °C: | 59 hPa | | |
| · Density: | Not determined. | | |
| · Relative density | Not determined. | | |
| • Vapour density | Not determined. | | |
| • Evaporation rate | Not determined. | | |
| · Solubility in / Miscibility with | | | |
| water: | Fully miscible. | | |
| • Partition coefficient (n-octanol/water): | Not determined. | | |
| · Viscosity: | | | |
| Dynamic: | Not determined. | | |
| Kinematic: | Not determined. | | |
| · Solvent content: | | | |
| Organic solvents: | 84,6 % | | |
| Solids content: | 9,6 % | | |
| · 9.2 Other information | The physical and chemical properties given in | | |
| | Section 9.1 are rough data only, which are partially derived from the component's data of the mixture. These data are no binding product | | |
| | specifications. | | |

SECTION 10: Stability and reactivity

· 10.1 Reactivity

10.2 Chemical stability

- \cdot Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- \cdot 10.4 Conditions to avoid No further relevant information available.

(Contd. on page 5) EU

according to 1907/2006/EC, Article 31



Page 5/7 Printing date 16.06.2015 Revision: 27.03.2018 Version number 8

Trade name: MA 2015 black

10.5 Incompatible materials: No further relevant information available.
 10.6 Hazardous decomposition products: No dangerous decomposition products known.

(Contd. of page 4)

EU

- SECTION 11: Toxicological information
- · 11.1 Information on toxicological effects
- Acute toxicity

LD/LC50 values relevant for classification:

85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

Oral LD50 1350 mg/kg (rat)

84281-86-7 C. I. Solvent Violet 8

Oral LD50 700 mg/kg (rat)

- Primary irritant effect:
- · Skin corrosion/irritation Irritant to skin and mucous membranes.
- · Serious eye damage/irritation Strong irritant with the danger of severe eye injury.
- · Respiratory or skin sensitisation No sensitising effects known.
- Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Muta. 2

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- · 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.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- 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. Harmful to aquatic organisms

- · 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.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

| · 14.1 UN-Number | | |
|--|---------------------------|------|
| · ADR, IMDG, IATA | UN1263 | |
| ADR, IADG, IAIA | 011205 | |
| 14.2 UN proper shipping name | | |
| · ADR | 1263 PAINT | |
| | | |
| · IMDG, IATA | PAINT | |
| · 14.3 Transport hazard class(es) | | |
| · ADR | | |
| | | |
| · Class | 3 (F1) Flammable liquids. | |
| | (Contd. on page | a 6) |



Trade name: MA 2015 black

| | (Contd. of pa |
|---|--|
| Label | 3 |
| IMDG, IATA | |
| • | |
| | |
| | |
| | |
| Class | 3 Flammable liquids. |
| Label | 3 |
| 14.4 Packing group | |
| ADR, IMDG, IATA | II |
| 14.5 Environmental hazards: | |
| Marine pollutant: | No |
| 14.6 Special precautions for user | Warning: Flammable liquids. |
| Danger code (Kemler): | 33 |
| EMS Number: | <i>F-E</i> , <u><i>S-E</i></u> |
| 14.7 Transport in bulk according to Anne | |
| MARPOL73/78 and the IBC Code | Not applicable. |
| Transport/Additional information: | |
| ADR | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: E2 |
| | Maximum net quantity per inner packaging: 30 ml |
| Transport satosom | Maximum net quantity per outer packaging: 500 ml |
| Transport category Tunnel restriction code | 2 D/E |
| | |
| IMDG Limited quantities (LQ) | 51, |
| Excepted quantities (EQ) | 5L Code: E2 |
| Incepted quantities (Ex) | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |
| UN "Model Regulation": | UN1263, PAINT, 3, II |

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · National regulations:

· Relevant phrases

· Technical instructions (air):

| Class | Share in % |
|-------|------------|
| NK | 50-100 |

- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 a legally valid contractual relationship.

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. Abbreviations and acronyms:

International Transport of Dangerous Goods by Rail)



Page 7/7 Printing date 16.06.2015 Revision: 27.03.2018 Version number 8

EU

Trade name: MA 2015 black

| | (Contd. | of page 6) |
|---|--|-------------|
| | IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) | 1.5. |
| | ICAO: International Civil Aviation Organisation | |
| | ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) | |
| | ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internationa | al 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 Chemical Substances | |
| | ELINCS: European List of Notified Chemical Substances | |
| | CAS: Chemical Abstracts Service (division of the American Chemical Society) | |
| | LC50: Lethal concentration, 50 percent | |
| | LD50: Lethal dose, 50 percent | |
| | Flam. Liq. 2: Flammable liquids, Hazard Category 2 | |
| | Flam. Liq. 3: Flammable liquids, Hazard Category 3 | |
| | Acute Tox. 4: Acute toxicity, Hazard Category 4 | |
| | Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C | |
| | Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 | |
| | Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1 | |
| | Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 | |
| | Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B | |
| | Muta. 2: Germ cell mutagenicity, Hazard Category 2 | |
| | STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 | |
| | Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1 | |
| | Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 | |
| | Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3 | |
| | Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4 | |
| • | \cdot * Data compared to the previous version altered. | |
| | | |