

Safety data sheet
 according to 1907/2006 / EC, Article 31, as amended by
 Commission Regulation (EU) No. 2015/830

Printing date 23.08.2019

Version number 12

Revision: 29.04.2019

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

- **1.1 Product identifier**
- **Trade name: 58MGA1100 ACRYLAC-MGA HIGH GLOSS**
- **MSDS no.** 220,909
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 No further relevant information available.
- **Application of the substance / the mixture** Dispersion Varnish

- **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
 hubergroup Deutschland GmbH
 Feldkirchener Str. 15

Telefon: 089-9003-444
 bzw. -390
 Telefax: 089-9003-505

85551 Kirchheim

- **Informing department:**

Product Safety hubergroup
 Telefon: + 49 89-9003-220
 Telefax: + 49 89-9003-500
 E-mail: product-safety@hubergroup.com

- **1.4 Emergency telephone number:**

During general business hours: Product Safety Division, Extension 220 or 444

SECTION 2: Hazards identification

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **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**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P264 Wash thoroughly after handling.
 P280 Wear eye protection / face protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

- **Additional information:**

Contains A mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one. May produce an allergic reaction.

- **2.3 Other hazards** This information is provided by the present Material Safety Data Sheet.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Preparation of synthetic resins and additives in aqueous system.

- **Dangerous components:**

CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-xxxx	Dioctylsulfosuccinate sodium salt Eye Dam. 1, H318; Skin Irrit. 2, H315	3-<5%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-XXXX	Ammonia solution < 10% Aquatic Acute 1, H400; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	<0.25%
CAS: 52-51-7 EINECS: 200-143-0 Reg.nr.: 01-2119980938-15	bronopol (INN) Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	<0.025%
CAS: 55965-84-9	A mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1, H317	0.0012%

- **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**

- **General information** In all cases of doubt, or when symptoms persist, seek medical advice.

- **After inhalation** Remove to fresh air.

- **After skin contact**

Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

- **After eye contact**

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.

- **After swallowing** Do NOT induce vomiting. Obtain medical attention.

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- **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.
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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents** Alcohol resistant foam, CO₂, powders, water spray.
 - **For safety reasons unsuitable extinguishing agents** Water jet.
 - **5.2 Special hazards arising from the substance or mixture**
Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water.
 - **5.3 Advice for firefighters**
 - **Protective equipment:** No special measures required.
 - **Additional information** Collect run-off from fire fighting.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ventilate the area.
 - **6.2 Environmental precautions:**
Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.
 - **6.3 Methods and material for containment and cleaning up:**
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.
 - **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 information on disposal.
-

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Keep container tightly closed.No smoking.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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· **Further information about storage conditions:**

Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution.

Note Instructions on the label.

Protect from frost.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:**

If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

Numerical data - if specified - are taken from the valid national lists.

57-55-6 Propylene glycol (1-2.5%)

WEL Long-term value: 474* 10** mg/m³, 150* ppm

*total vapour and particulates **particulates

· **DNELs**

577-11-7 Dioctylsulfosuccinate sodium salt

Dermal DNEL workers 200.89 mg/kg bw/d (human) (chronic; systemic)

Inhalative DNEL workers 1,417 mg/m³ (human) (chronic; systemic)

52-51-7 bronopol (INN)

Dermal DNEL workers 2.3 mg/kg bw/d (human) (chronic; systemic)

Inhalative DNEL workers 4.1 mg/m³ (human) (chronic; systemic)

· **PNECs**

577-11-7 Dioctylsulfosuccinate sodium salt

PNEC 0.138 mg/kg (soil)

PNEC STP 122 mg/l (STP)

52-51-7 bronopol (INN)

PNEC 0.5 mg/kg (soil)

PNEC STP 0.43 mg/l (STP)

· **8.2 Exposure controls**

· **Personal protective equipment**

· **Breathing equipment:**

The use of respiratory protective measures, such as masks with filters for organic Vapours and dusts / mists are, in the absence of appropriate technical equipment, necessary for the protection of the employee. If exposure is above the exposure limit, then an appropriate, approved respirator must be worn. Please refer to the appropriate EU standard 14387.

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- **Protection of hands:**
 For prolonged or repeated contact use gloves.
 Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
 Applicable for example are gloves of KCL GmbH D 36124 Eichenzell, e-mail: vertrieb@kcl.de with following specification (Laboratory test according EN 374)

 Recommended protective glove:
 Article/Name/Material/Thickness Material/Breakthrough Time Remarks
 Nr. 730 /Camatril Velours / Nitril / 0,4 mm Level 6 > 480 min. by full contact
 Nr. 740 /Dermatril / Nitril / 0,11mm Level 2 > 30min. by splash contact
 This recommendation is only for the product delivered by us and its intended purpose.
- **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:** Use safety eyewear designed to protect against splash of liquids.
- **Body protection:**
 Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.
 All parts of the skin should be washed after contact.

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

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** liquid
 - **Colour:** according to the tradename of the product
- **Smell:** characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
 - **Melting point/freezing point:** not determined
- **Flash point:** >100 °C
- **Inflammability (solid, gaseous)** Not applicable.
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Not determined.
- **Explosive properties:** Not determined.
- **Critical values for explosion:**
 - **Lower: approx.** Not determined.
 - **Upper: approx.** Not determined.
- **Vapour pressure:** Not determined.

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- **Density at 20 °C** 1.0277 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
Not applicable.
- **Solubility in / Miscibility with**
- **Water:** completely miscible with water
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **dynamic:** Not determined.
- **kinematic:** Not determined.
- **Organic solvents:** ≥1-<2.5 %
- **Water:** 60-80 %
- **Solid content:** 37.6 %
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No further relevant information available.
- **10.3 Thermal decomposition / conditions to be avoided:**
Stable under recommended storage and handling conditions (see section 7).
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.
- **10.6 Hazardous decomposition products:**
Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.
Forms hydrogen slowly at room temperature, more rapidly with increasing temperature

SECTION 11: Toxicological information

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and/or GHS -Regulation and classified for toxicological hazards accordingly. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin.

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

577-11-7 Dioctylsulfosuccinate sodium salt

- Oral LD50 >2,100 mg/kg (rat)
- Dermal LD50 >10,000 mg/kg (rabbit)

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Inhalative LC50 20,000 mg/m³ (rat)

1336-21-6 Ammonia solution < 10%

Oral LD50 350 mg/kg (rat)

Inhalative LC50 2,000 mg/m³ (rat)

52-51-7 bronopol (INN)

Oral LD50 305 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

Inhalative LC50 ≥588 mg/m³ (rat)

55965-84-9 A mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one

Oral LD50 70 mg/kg (rat)

Dermal LD50 >75 mg/kg (rat)

Inhalative LC50 330 mg/m³ (rat)

- **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.
- **CMR effects (carcinogenicity, 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** Based on available data, the classification criteria are not met.
- **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

The Product should not be allowed to enter drains of water courses or soil.

- **12.1 Toxicity**
- **Aquatic toxicity:**

577-11-7 Dioctylsulfosuccinate sodium salt

Fish toxicity 50 mg/l (fish) (LC50; 96 h)

Daphnia toxicity 6.6 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 82.5 mg/l (algae)

1336-21-6 Ammonia solution < 10%

Fish toxicity 0.53 mg/l (fish) (LC 50 86h)

Daphnia toxicity 24 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 2,700 mg/l (algae) (EC50; 18 d)

52-51-7 bronopol (INN)

Fish toxicity 35.7 mg/l (fish) (LC50; 96 h)

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Daphnia toxicity 1.4 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 0.25 mg/l (algae) (EC50; 72 h)

55965-84-9 A mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one

Fish toxicity 14.7 mg/l (fish)

Daphnia toxicity 8 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 1.67 mg/l (algae) (EC50 72 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.
- **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** Do not allow to enter drains.
- **European waste catalogue** 08 03 12: waste ink containing dangerous substances
- **Uncleaned packagings:** Waste
- **Recommendation:**
 Emptied containers should be disposed off into scrap recycling or reconditioning respectively.
 Not orderly emptied cans and ink remnants are special waste.

SECTION 14: Transport information

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** -
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** -
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** -
- **14.4 Packing group**
- **ADR, IMDG, IATA** -
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

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· **UN "Model Regulation":** -

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.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**

The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.

- **VOC-Content (EU):** not specified
- **Swiss VOC-Regulation** 0.00 %
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information on this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

· **Relevant phrases**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- 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.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport 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 Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)

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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
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

• *** Data compared to the previous version altered.**

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