

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

Printing date 14.12.2018

Revision number 4

Revision date: 14.12.2018

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

- **Revision substituted:** Revision 3
- **Date of previous revision:** 17.04.2017
- **1.1 Product identifier**
- **Trade name:** TOUCH Antimicrobial Coating
- **Article number:** 15775
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Paints and varnishes binder.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufacturer:
BROMOCO International Ltd
Tanya House
Unit 1 I-Worx
Innovation Way, Wootton, Bedfordshire, UK. MK43 9SP
Tel: +44 800 634 9711
Supplier:
Bromoco North America
718 Wilson Ave., Suite 202
Toronto Ont., M3K 1E2
Tel: 416 567 3409
- **1.4 Emergency telephone number:**
BROMOCO International (UK) Emergency telephone number: +44 800 634 9711

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable
- **Additional information:**
Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction.
Safety data sheet available on request.
- **2.3 Other hazards**
Information relating to other hazards, different from those presented in classification but which may contribute to the overall product hazard, can be found in sections 5, 6 and 7 of this 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:** Acrylic aqueous emulsion.
- **Dangerous components (maximum concentration value):**
- | CAS Number | Chemical Name | WT/WT % Range |
|------------|-------------------------|---------------|
| 08069-39-8 | Silver phosphate glass. | .3-.4% |
- **SVHC** Does not contains Substances of Very High Concern.

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SECTION 4: First aid measures· **4.1 Description of first aid measures**· **General information:***Take affected persons out of danger area and lay them down.**Administer first aid.**If symptoms persist, consult a doctor presenting the Safety Data Sheet.**Take all appropriate measures to prevent fire related hazards, explosion and inhalation for rescue staff, including the use of respiratory equipment.**Ensure adequate ventilation and check that this is a safe, breathable atmosphere before entering confined spaces.*· **After inhalation:***Supply fresh air and to be sure call for a doctor.**In case of unconsciousness lay down the patient in side safety position.*· **After skin contact:***Wash immediately with water and rinse thoroughly.**Immediately remove contaminated clothing and shoes safely*· **After eye contact:***Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**Avoid wearing contact lenses in work areas. If there are, remove them.*· **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:** *Water, foam, carbon dioxide.*· **For safety reasons unsuitable extinguishing agents:***Foam and water used together on the same surface should be avoided as water destroys the foam.*· **5.2 Special hazards arising from the substance or mixture***In case of fire, hazardous combustion gases are formed: carbon monoxide.**The product does not add to the spreading of fire.*· **5.3 Advice for firefighters***Use respiratory mask.**Wear full protective suit.**Keep unnecessary people away from the site. People should keep up with the wind from behind and away from low areas and reservoirs. Cool containers exposed to fire with water spray until complete extinction of the fire. Control the spread of the liquid. Fire residues should be disposed off according to the regulations. The contaminated extinguishing water must be collected separately and treated also in accordance with the regulations.*· **Additional information***Fire fighting residues and contaminated fire fighting water should be released according with official regulations.***SECTION 6: Accidental release measures**· **6.1 Personal precautions, protective equipment and emergency procedures***Wear protective equipment. Keep unprotected persons away.**Particular danger of slipping on leaked/spilled product.*

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- **For the staff not involved in the emergency response.**
Keep all personnel not involved away from the spill area. Alert the staff in charge of emergencies.
In case of exposure using appropriate protective clothing (see section 8)
- **For personnel responsible for emergency response.**
Stop or isolate the source, if this does not constitute a danger.
Avoid contact with skin and eyes.
- **6.2 Environmental precautions:**
Stop it from entering the domestic sewage, surface water or groundwater.
Do not allow to penetrate the ground/soil.
It can be treated in a Wastewater Treatment Plant (WWTP).
- **6.3 Methods and material for containment and cleaning up:**
In small spills: impregnate with substances that absorb liquids (sand, absorbent Green Stuff, absorbent minerals).
Dispose contaminated material as waste according to the local legislation.
Ensure adequate ventilation.
Clean the contaminated objects and floors, observing the environmental regulation.
In case of large spilling: Pump the product to containers properly labelled.
- **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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid freezing and direct sunlight.
Store in cool, dry place between 5-35°C, in tightly closed receptacles.
Ensure good ventilation /extraction in the workplace.
Avoid splashes or spray in enclosed areas. Keep away from drains.
Do not eat, drink or smoke in work areas. Wash hands after use.
Remove contaminated clothing and protective equipment before entering at the eating areas.
- **7.2 Conditions for safe storage, including any incompatibilities**
Protect from sun and frost.
Keep containers tightly closed and appropriately labeled. Keep this product in the original container or container.
Store between 5 and 25°C
- **7.3 Specific end use(s)** See section 1.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** No Exposure Limit Values known according European Legislation.
- **8.2 Exposure controls**
- **8.2.1 Appropriate technical control** See subsection 1.2
- **8.2.2 Personal protective equipment:**
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Recommended Material: PVC

Thickness: 1,30mm

Get information about the durability of the gloves from the manufacturer and respect it.

The selection of suitable gloves does not only depend on the material, but also on quality characteristics and varies from manufacturer to manufacturer. We can not predict the duration of the gloves, so it is necessary to check them before use.

· Eye/face protection: Goggles recommended during refilling

· Thermal hazards No further information

· 8.2.3 Limitation and supervision of exposure into the environment

Avoid spillage in the environment. Prevent the emission to the atmosphere.

Fulfill with the applicable regulations regarding the environment.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form (mixture): Liquid.

Colour (mixture): White

· Odour (mixture): Characteristic

· Odour threshold: Not determined.

· pH-value at 20 °C: 8.5

· Melting point/freezing point: Undetermined (supplied in liquid form).

· Boiling point (solvent): Undetermined.

· Flash point (mixture): Not applicable. Non flammable.

· Flammability (solid, gas): Not applicable. Liquid product.

· Ignition temperature (solvent): Not applicable.

· Decomposition temperature: Not determined. No decomposition if the conditions for storage and handling are satisfied.

· Oxidising properties : Product is not self igniting.

· Explosive properties : Product does not present an explosion hazard.

· Explosion limits (solvent):

Lower: Not applicable.

Upper: Not applicable.

· Vapour pressure (solvent): Not determined.

· Relative density (mixture) at 20 °C: 1.04 g/cm³ (ISO 2811-1)

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

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- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity (mixture):**
Value at 23 °C: 300 mPas (ISO 2555)
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** There is no information available.
- **10.2 Chemical stability** The product is stable unless it is exposed to light, heat, low / high temperatures.
- **10.3 Possibility of hazardous reactions** Hazardous reactions unknown.
- **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 known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Corrosion / irritation:**
The mixture is not classified as skin irritant.
The mixture is not classified as corrosive.
- **Serious eye damage / eye irritation:** The mixture is not classified as irritating.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) - single exposure**
Toxic effects are not known to specific target organs (single exposure). Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) - repeated exposure**
There are no known toxic to specific target organs (repeated exposure) effects. Based on available data, the classification criteria are not met.
- **Danger of aspiration:** No information is available on the mixture.
- **CMR effects (carcinogenicity, germ cell mutagenicity or reproductive toxicity)**
There aren't information regarding the mixture
- **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.
- **Information about likely routes of exposure** No information available about the mixture.
- **Symptoms related to the physical, chemical and toxicological characteristics**
No information available about the mixture.
- **Both immediate and delayed effects and chronic effects from short- and long-term exposure**
No information available about the mixture.
- **Other information:** No other information available.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No information available for the mixture.
- **12.2 Persistence and degradability** No information available for the mixture.
- **12.3 Bioaccumulative potential** No information available for the mixture.
- **12.4 Mobility in soil** No information available for the mixture.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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Trade name: TOUCH Antimicrobial coatings· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations· **13.1 Waste treatment methods**· **Recommendation***May be eliminated from water by chemical flocculation.**Do not allow to enter soil, waterways or waste water.**Refer to chapter 6.**The empty used containers should be well drained. Can be reused. Send to a authorized recuperator of packaging.**The disposal must comply with the legal requirements of environmental protection and waste management.*· **Waste disposal key:***Potential code of the European List of Waste Contaminated packaging with the mixture: 150102**The end user is responsible for assigning the most appropriate code in accordance with the uses, contamination or actual changes of the material.**Applicable regulations:**Directive 2008/98/EC.**Comission Decisions 2000/532/CE and 2014/955/UE.***SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, ADN, IMDG, IATA**

Not applicable

· **14.2 UN proper shipping name**· **ADR, ADN, IMDG, IATA**

Not applicable

· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class**

Not applicable

· **14.4 Packing group**· **ADR, IMDG, IATA**

Not applicable

· **14.5 Environmental hazards:**· **Marine pollutant:**

No

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **IATA**· **Remarks:**

RID and ADN do not apply

· **UN "Model Regulation":**

Not applicable

SECTION 15: Regulatory information· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***Safety Data Sheet prepared in accordance with Regulation (EU) 2015/830.**Regulation (EC) No.1272/2008 and its updates.**Regulation (EC) No. 440/2008 laying down test methods under the REACH Regulation.**European Agreement on the International Carriage of Dangerous Goods by Road (ADR).**International Maritime Dangerous Goods Code (IMDG).**International Air Transport (IATA) relating to the carriage of goods by air.*

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*Directive 96/82/EC; 2003/105 / EC and 2012/18 / EU on SEVESO.**Directive 2004/37/EC on the risk of exposure to chemical agents CMR and its updates.**Directives 98/24/CE, 91/322/CE, 2000/39/CE, 2009/161/CE, 2017/164/CE and 88/642/EEC on limits of exposure of workers to chemical agents.**Directive 89/656/EEC on minimum health and safety requirements for the use of Personal Protective Equipment and Directive 988/93 of 6 October.**Directive 89/654/EEC on the minimum safety and health requirements for the workplace.**Regulation (EU) No. 1357/2014 of waste and Directive 2008/98/EC and Directive 2015/1127 on waste management and regulation.**Commission Decisions 2001/118/EC; 2001/119/EC; 2001/573/EC and 2014/955/EU on the European Waste List.**Directive 2008/105/EC and 2009/90/EC on environmental quality in the field of water policy.**Regulation (EU) No. 528/2012 and updates for biocidal products.**Directive 2010/75 / EU and Directive 2004/42/EC and updates on Limitation of Emission of Volatile Organic Compounds.**Regulation (EU) No. 10/2011 and updates on materials and articles in contact with foodstuffs.**Classification and labeling were carried out in accordance with Regulation (EC) No. 1272/2008 and its updates.**Commission Decision 2014/312 / EU on Ecolabel and updates.**· **Named dangerous substances - ANNEX I of the directive 96/82/CE** None of the ingredients is listed.**· **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 based on technical and national and EC legislation. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The product should only be applied for the applications referred in Technical Data Sheet.

The information provided above is intended as a guide to assist in the safe handling, use, processing, storage, transportation, disposal and release of the material listed. Nothing contained herein is to be considered as an express or implied warranty of performance or quality. The information relates only to the specific material designated and may not be applicable when such material is used in combination with any other materials or as part of any process, except as otherwise expressly described herein. The information is believed to be true and correct as of the date issued. Always make sure you are using the most current information available. The material described herein is produced for commercial and industrial use only and unless otherwise specifically designated by the manufacturer in writing has not received any specific regulatory approval such as approvals for food contact or for use in medical/surgical applications or devices. It is buyer and user's sole and exclusive responsibility to ensure that any handling, use, processing, storage, transportation, disposal and release of the material complies with all applicable laws, rules and regulations.

Methods of evaluating information for classification include: use of product-specific data, comparative data and / or component-based assessment.

*· **Department issuing SDS: BROMOCO International UK Ltd****· **Contact:** sales@bromocointernational.com**· *** Data compared to the previous version altered.****The manufacturer's name and logo have been changed.**Section 1 - Identification of the substance/mixture and of the company/undertaking**Section 16 - Other information*