

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Swiss antimicrobial expertise
since 1935

Article No.: 2161DG
Print date: 22.04.2020
Version: 1

Sanitized® BC A 21-61
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Article No. (manufacturer/supplier): 2161DG
Trade name/designation: Sanitized® BC A 21-61
Additive for textile and/or
plastics industry

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Antimicrobial additive

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

SANITIZED AG

Lyssachstrasse 95
CH-3401 Burgdorf

Telephone: +41 (0) 34 427 16 16
Telefax: +41 (0) 34 427 16 19
www.sanitized.com

Department responsible for information:

Safety & Regulation

E-mail

regulatory@sanitized.com

importer

SANITIZED (Europe) S.à.r.l.
13 rue de 17 Novembre
FR-68100 Mulhouse

Telephone: +33 (0) 389 45 70 75
Telefax: See fax no of the supplier
E-mail: See E-mail of the supplier

1.4. Emergency telephone number, Phone No 24h x 7d

Case of intoxication:

Transportation emergency:

International Swiss Tox-Center: +41 44 251 51 51 | GBK / Infotrac, ID 106460: +49 61 328 44 63

Australia: +61-280735031 | China:

+860532-83889090

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This substance is classified as dangerous according to regulation (EC) No 1272/2008 [CLP].

Aquatic Acute 1 / H400

Hazardous to the aquatic environment

Very toxic to aquatic organisms.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H400 Very toxic to aquatic organisms.

Precautionary Statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

not applicable

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

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SECTION 3: Composition / information on ingredients

3.1. Substances

Description:
Antimicrobial
substance

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. CAS No. INDEX No.	REACH No. Designation classification: // Remark	Wt %
608-534-1 308069-39-8	Silver phosphate glass Aquatic Acute 1 H400	50 - 100

Additional information

Full text of classification: see 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. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. If unconscious place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a physician immediately.

Following skin contact

Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water. Do not use solvents or thinners. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After eye contact

Keep eyelids open, wash out with plenty of clean, fresh water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

Special treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Foam, Carbon dioxide, Extinguishing powder

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground

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or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use personal protection equipment. Dust deposits, Avoid dust formation. Keep locked up.

Advices on safe handling

Avoid contact with eyes and skin. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide for sufficient ventilation; if possible use resp. install internal exhaust systems.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Immediately remove any contaminated clothing, shoes or stockings. Thorough skin-cleansing after handling the product.

Further information

No special fire protection measures are necessary.

Further information

Protect from sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Avoid: Dust deposits

Dust deposits, Avoid dust formation.

Requirements for storage rooms and vessels

Unsuitable container/equipment material: Metal

Suitable container/equipment material: Polyethylene. Keep locked up.

Hints on joint storage

Do not store together with: Alkali (lye), Oxidizing agent, Reducing agent

Further information on storage conditions

Store in a well-ventilated and dry room at temperatures between 10 °C and 30 °C. Protect from heat and direct sunlight.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

not applicable

8.2. Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Respiratory protection

In the case of dust or aerosol formation use respirator with an approved filter.

suitable mask with particle filter P 3 (EN 143).

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove

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manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Eye/face protection

Wear closed protection glasses.

Body protection

Wear suitable protective clothing.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser. Immediately remove any contaminated clothing, shoes or stockings.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: solid
Colour: refer to label

Odour: characteristic

Odour threshold: not applicable

pH at 20 °C: not applicable

Melting point/freezing point: not applicable

Initial boiling point and boiling range: not applicable

Flash point: not applicable

Evaporation rate: not applicable

flammability

Burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Vapour pressure at 20 °C: not applicable

Vapour density: not applicable

Relative density:

Density at 20 °C: 2.66 g/cm³

Solubility(ies):

Water solubility (g/L) at 20 °C: insoluble

Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity at °C: solid

Explosive properties: not applicable

Oxidising properties: not applicable

9.2. Other information

Solid content (%): 100.00 Wt %

solvent content:

Organic solvents: 0 Wt %

Water: 0 Wt %

Bulk density

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation; Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure; 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.

Overall Assessment on CMR properties

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark:

There is no information available on the preparation itself .

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic organisms.

Sanitized® BC A 21-61 Additive for textile and/or plastics industry

Fish toxicity, LC50 (96 h)

Silver phosphate glass

Fish toxicity, LC50 (96 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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- 12.6. **Other adverse effects**
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080201 waste coating powders

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

Additional information

Observe in addition any national regulations!

SECTION 14: Transport information

14.1. UN number

UN 3077

14.2. UN proper shipping name

Land transport (ADR/RID):

Environmentally hazardous substance, solid, n.o.s.
(Silver phosphate glass)

Sea transport (IMDG):

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Silver phosphate glass)

Air transport (ICAO-TI / IATA-DGR):

Environmentally hazardous substance, solid, n.o.s.
(Silver phosphate glass)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Land transport (ADR/RID)

UMWELTGEFÄHRDEND

Marine pollutant

p / Silver phosphate glass

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

-

in packages <= 5 kg

Not goods of Class 9

Sea transport (IMDG)

EmS-No.

F-A, S-F

in packages <= 5 kg

not restricted 2.10.2.7

Air transport (ICAO-TI / IATA-DGR)

in packages <= 5 kg

Not Restricted, as per Special Provision A197

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

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Swiss Youth Protection Regulation (ArGV 5; SR 822.115): Young persons up to the age of 18 are not allowed to get in

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contact with or be exposed to this preparation in the course of their work unless the Federal Office for Professional Education and Technology (BBT) or the State Secretariat for Economic Affairs (SECO) has granted an exception.

EU legislation

Regulation (EU) No. 528/2012 on biocides

treated article
biocide, active substance
Silver phosphate glass

Use

Main group 2: Preservatives
Product-type 9: Fibre, leather, rubber and polymerised materials preservatives

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 0.0

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. **Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of classification in section 3:

Aquatic Acute 1 / H400 Hazardous to the aquatic environment Very toxic to aquatic organisms.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded

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as guaranteed attributes of the product.