

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 1/12

Corfit Bright

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

1.1. Product identifier

Trade name/designation:

Corfit Bright

UFI:

GHU4-E8A6-X00F-QMK9

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

Use of the substance/mixture:

Water treatment chemicals, Cleaning agent. Etchant and acids

Relevant identified uses:

Life cycle stage [LCS]

IS: Use at industrial sites

PW: Widespread use by professional workers

Product Categories [PC]

PC 14: Metal surface treatment products

PC 35: Washing and cleaning products

PC 37: Water treatment chemicals

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Sanosil

Eichtalstrasse 49

8634 Hombrechtikon Switzerland

Telephone: +41 55 254 00 54

E-mail: service@sanosil.com

Website: www.sanosil.com

1.4. Emergency telephone number

Switzerland: 145 for calls from Switzerland or
+41 (0)44 251 51 51 Swiss toxicological Information Center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Harmonised (legal) classification.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Harmonised (legal) classification.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Harmonised (legal) classification.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 2/12

Corfit Bright

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: -

Precautionary statements Prevention

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing and eye/face protection.

Precautionary statements Response

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

P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary statements Disposal

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

* 2.3. Other hazards

Adverse human health effects and symptoms:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Adverse environmental effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

* 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 5329-14-6 EC No.: 226-218-8 REACH No.: 01-2119488633-28-0000	sulphamidic acid Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) Warning	95 - ≤ 98 weight-%
CAS No.: 547-58-0 EC No.: 208-925-3	sodium 4-(4-dimethylaminophenylazo)benzenesulphonate Acute Tox. 3 (H301) Danger	0.01 weight-%

Full text of H- and EUH-phrases: see section 16.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 3/12

Corfit Bright

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.

Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation
Serious eye damage/eye irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.
Carbon dioxide (CO₂)
Extinguishing powder
alcohol resistant foam

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic
Sulphur dioxide (SO₂)
Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
May form combustible dust concentrations in air.
Cool containers with water spray

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 4/12

Corfit Bright

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Avoid dust formation.

6.3. Methods and material for containment and cleaning up

For containment:

Collect spillage.

Measures to prevent aerosol and dust generation

For cleaning up:

Wet clean or vacuum up solids.

Water (with cleaning agent)

Provide fresh air.

Other information:

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

When diluting/dissolving, always have the water ready first, then slowly stir in the product.

Fire prevent measures:

May form combustible dust concentrations in air.

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

* **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

Keep/Store only in original container.

Suitable container/equipment material:

PE (polyethylene)

Requirements for storage rooms and vessels:

Provide for retaining containers, e.g. floor pan without outflow.

Storage class (TRGS 510, Germany): 8B – Non-combustible corrosive substances

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 5/12

Corfit Bright

Further information on storage conditions:

Recommended storage temperature 15°C -25°C

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

* 8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

goggles EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374

Wearing time with permanent contact

Permeation time (maximum wear duration): \geq 480 min

Suitable material: - Thickness of the glove material
CR (polychloroprene, chloroprene rubber) - 0,5 mm
NBR (Nitrile rubber) - 0,35 mm
Butyl caoutchouc (butyl rubber) - 0,5 mm
FKM (fluoro rubber) - 0,4 mm
PVC (polyvinyl chloride) - 0,5 mm
NR (natural rubber, natural latex) - 0,5 mm

Unsuitable material:

Natural fibres (e.g. cotton)

Leather

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Recommendation:

Body protection: Protective clothing. / Apron

Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Respiratory protection necessary at: dust formation

Particle filter device (EN 143)

Filter type: P1

Paint: white

Other protection measures:

Wash contaminated clothing before reuse.

8.2.3. Environmental exposure controls

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 6/12

Corfit Bright

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: orange

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	1.2	20 °C		
Melting point	205 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not applicable</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	2.126 g/cm ³	20 °C		
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	150 mg/l	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		
VOC-value	<i>not applicable</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn.

* 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

* 10.3. Possibility of hazardous reactions

Explosion hazard with:

Chlorine

Reaction with:

Alkali (lye)

Nitric acid

* 10.4. Conditions to avoid

Decomposes without melting. Temperature >200°C

10.5. Incompatible materials

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 7/12

Corfit Bright

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

Sulphur dioxide (SO₂)

Nitrogen oxides (NO_x)

Ammonia

SECTION 11: Toxicological information

* 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance name	Toxicological information
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	LD₅₀ oral: 2,065 mg/kg (Rat) OECD 401 LD₅₀ dermal: >2,000 mg/kg (Rat) OECD 402
sodium 4-(4-dimethylaminophenylazo)benzenesulphonate CAS No.: 547-58-0 EC No.: 208-925-3	LD₅₀ oral: 60 mg/kg (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

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

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.

Additional information:

No data available

* 11.2. Information on other hazards

Endocrine disrupting properties:

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 8/12

Corfit Bright

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	LC₅₀ : 70.3 mg/l 4 d (fish, Pimephales promelas (fathead minnow)) OECD 203 EC₅₀ : 71.6 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 EC₅₀ : 48 mg/l 3 d (Algae/water plant, Desmodosmus subspicatus) OECD 201 NOEC : 18 mg/l 3 d (Algae/water plant, Desmodosmus subspicatus) OECD 201

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.
Harmful to fish.

Additional ecotoxicological information:

Must not be used undiluted or unneutralized in the sewage or in the receiving water.
After neutralisation, reduction in toxic effects is observed.

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	—	

12.3. Bioaccumulative potential

Substance name	Log K _{OW}	Bioconcentration factor (BCF)
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	0.1	

12.4. Mobility in soil

No data available

* 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
sodium 4-(4-dimethylaminophenylazo)benzenesulphonate CAS No.: 547-58-0 EC No.: 208-925-3	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

pH <4: Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

16 05 07 * discarded inorganic chemicals consisting of or containing hazardous substances

*: Evidence for disposal must be provided.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 9/12

Corfit Bright

Waste code packaging:

15 01 10 * packaging containing residues of or contaminated by dangerous substances

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

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

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	
14.1. UN number or ID number			
UN 2967	UN 2967	UN 2967	
14.2. UN proper shipping name			
UN 2967 SULPHAMIC ACID, 8, III, (E)	SULPHAMIC ACID	SULPHAMIC ACID	
14.3. Transport hazard class(es)			
 8	 8	 8	
14.4. Packing group			
III	III	III	
14.5. Environmental hazards			
No	No	No	
14.6. Special precautions for user			
Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Hazard identification number (Kemler No.): 80 Classification code: C2 tunnel restriction code: (E) Remark:	Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 Classification code: C2 Remark:	Special provisions: - Limited quantity (LQ): 5 kg Excepted Quantities (EQ): E1 EmS-No.: F-A, S-B Remark:	

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 10/12

Corfit Bright

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 **[DE] National regulations**

Restrictions of occupation

22 JArbSchG.

Annex Chemikalien-Verbotsverordnung (ChemVerbotsV)

Do not sell or give to persons under the age of 18 years.

The product is intended for professional use.

Störfallverordnung

Remark:

This product is not classified according to StörfallVO.

Water hazard class

WGK:

1 - schwach wassergefährdend

Source:

Mischungsregel gemäß VwVwS Anhang 4, Nr. 3

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

DGUV Regel 112-195

Benutzung von Schutzhandschuhen, Aktualisierte Nachdruckfassung Oktober 2007

Other regulations, restrictions and prohibition regulations

TRGS 400 (Gefährdungsbeurteilung)

TRGS 500 (Protective measures)

TRGS 510 (Storage class)

TRGS 555 (Operational instruction)

TRGS 900 (Occupational exposure limit values)

* **15.2. Chemical Safety Assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:
sulphamidic acid

SECTION 16: Other information

* **16.1. Indication of changes**

1.2.	Relevant identified uses of the substance or mixture and uses advised against
2.3.	Other hazards
3.2.	Mixtures
7.2.	Conditions for safe storage, including any incompatibilities
8.2.	Exposure controls
10.2.	Chemical stability
10.3.	Possibility of hazardous reactions
10.4.	Conditions to avoid
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.5.	Results of PBT and vPvB assessment
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2.	Chemical Safety Assessment
16.1.	Indication of changes
16.3.	Key literature references and sources for data
16.5.	Relevant R-, H- and EUH-phrases (Number and full text)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 11/12

Corfit Bright

16.2. Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
AVV: Abfallverzeichnis-Verordnung
CSB: Chemical oxygen demand (COD)
BSB: Biochemical oxygen demand
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CLP: Classification, Labelling and Packaging
DE: Deutschland/Germany
DIN: Deutsche Institut für Normung e. V.
DIN EN: Deutsche Institut für Normung e. V. Europäische Norm
DNEL: derived no-effect level
EAK: Europäische Abfallartenkatalog
EU: Europe
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Code for Dangerous Goods
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
MAK: Maximale Arbeitsplatz-Konzentration
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
min: Minute
mm: Millimeter
PBT: Persistent, Bioaccumulative and Toxic
PENC: Predicted no effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
VOC: Volatile Organic Compounds (USA, EU)
vPvB: very Persistent and very Bioaccumulative (European Agreement concerning the International Carriage of Dangerous Goods by Road)
WGK: Wassergefährdungsklasse

* 16.3. Key literature references and sources for data

[Section 4: First-Aid Measures Section 8: Exposure Controls/Personal Protection
Section 10: Stability and Reactivity Section 15: Regulatory Information (non-mandatory)] Source: GESTIS <https://gestis.dguv.de/> Issue date: 16.06.2021

[Section 11: Toxicological Information Section 12: Ecological Information (non-mandatory)] Source: ECHA <https://echa.europa.eu/de/> Issue date: 16.06.2021

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Harmonised (legal) classification.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Harmonised (legal) classification.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Harmonised (legal) classification.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Jun 2021

Print date: 22 Oct 2021

Version: 7

Page 12/12

Corfit Bright

* 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available

* Data changed compared with the previous version