

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31,
as modified by Regulation (EU) No 2015/830

Edition 1

Printing date : 01/12/2017

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

1.1. Product identifier

Mixture identification:

Trade name: **Swissjet Black**

Trade code:

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

Recommended use:

Digital printing ink

Uses advised against:

Any use not listed in the recommended uses

1.3. Details of the supplier of the safety data sheet

Company: Swiss Performance Chemicals. AG

Rothausstrasse 61

4132 Muttenz

Switzerland

Competent person responsible for the safety data sheet:

1.4. Emergency telephone number

Tel. +41 61 826 10 30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction

Special provisions according to Annex XVII of REACH and subsequent amendments:

Safety Data Sheet

2.3. Other hazards


vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Components		CLP Classification	Product identifier
Disperse Blue 360	1% - 3%	 2.7/1 Flam. Sol. 1 H228 4.1/C4 Aquatic Chronic 4 H413	CAS-No.: 70693-64-0 EC-No.: 435-600-5
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.1%	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 [SensSk1: C ≥ 0,05 %]	CAS-No.: 2634-33-5 EC-No.: 220-120-9 Index-No: 613-088-00-6

Note: Upper limit is not included into the range. The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with skin:

Wash with plenty of water and soap.

Contact with eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

Safety Data Sheet

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended extinguishers:

Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

Adopt good working practices, so that the product is not released into the environment.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

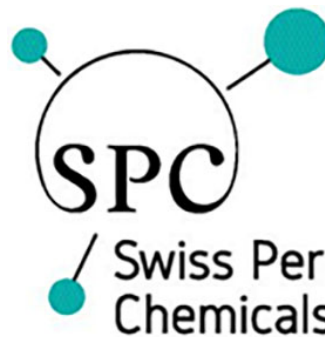
Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.



Safety Data Sheet

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance:	liquid	--	--
Colour:	Black	--	--
Odour:	mild	--	--
Odour threshold:	not available	--	--
pH:	7 - 9	--	@ 25 °C
Melting point / freezing point:	not available	--	--
Initial boiling point and boiling range:	> 100°C / 212 °F	--	--
Flash point:	> 130 °C / 266 °F	--	--
Evaporation rate:	not available	--	--
Solid/gas flammability:	not applicable	--	Not applicable, it's a liquid
Upper/lower flammability or	not available	--	--

Safety Data Sheet

explosive limits:			
Vapour pressure:	not available	--	--
Vapour density:	not available	--	--
Relative density:	1.070	--	@ 25 °C
Solubility in water:	soluble	--	--
Solubility in oil:	not available	--	--
Partition coefficient (n-octanol/water):	not available	--	--
Auto-ignition temperature:	not available	--	--
Decomposition temperature:	not available	--	--
Viscosity:	4 - 7 cPs	--	@ 25 °C
Explosive properties:	not applicable	Regulation (EC) No 1907/2006, Annex VII, Column 2, point 7.11	no chemical groups associated with explosive properties
Oxidizing properties:	not applicable	Regulation (EC) No 1907/2006, Annex VII, Column 2, point 7.13	the product is incapable of reacting exothermically with combustible materials

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	miscible	--	--
Fat Solubility:	not available	--	--
Conductivity:	not available	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

a) acute toxicity

No data is available on the product itself.

**1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
(CAS 2634-33-5)**

Oral LD50 Rat = 1020 mg/kg (NZ_CCID)

Disperse Blue 360 - CAS: 70693-64-0

Test: LD0 - Route: oral - Species: rat > 2000 mg/kg - Notes: OECD 403

Test: LD0 - Route: dermal - Species: rat > 2000 mg/kg

b) skin corrosion/irritation

Not classified

Based on calculation method, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on calculation method, the classification criteria are not met

d) respiratory and skin sensitisation

Not classified

Based on calculation method, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on calculation method, the classification criteria are not met

f) carcinogenicity

Not classified

Based on calculation method, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on calculation method, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on calculation method, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on calculation method, the classification criteria are not met

j) aspiration hazard

Not classified

Based on calculation method, the classification criteria are not met

Toxicological information of the main substances found in the product:

N.A.

SECTION 12: Ecological information

12.1. Toxicity No data is available on the product itself

1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5)

EU - Ecolabel (66/2010) – Detergent Not biodegradable under anaerobic conditions

Safety Data Sheet

Ingredient Database - Anaerobic Degradation
EU - Ecolabel (66/2010) – Detergent Inherently biodegradable according to OECD guidelines
Ingredient Database - Aerobic Degradation

Disperse Blue 360 - CAS: 70693-64-0

- a) Aquatic acute toxicity:
Endpoint: CE0 - Species: Algae > 2.9 - Notes: Desmodesmus subspicatus
Endpoint: NOAEL - Species: Algae > 0.1 mg/l
Endpoint: CE0 - Species: Daphnia > 8.6 - Duration h: 48 - Notes: OECD 202
Endpoint: NOAEL - Species: Daphnia > 0.1 mg/l - Duration h: 48
Endpoint: LC0 - Species: Fish > 17 - Duration h: 96 - Notes: OCSE 203
Endpoint: NOAEL - Species: Fish > 0.1 mg/l - Duration h: 96
- c) Bacteria toxicity:
Endpoint: CE0 > 1000 mg/l - Duration h: 3 - Notes: OCSE 209

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Dispose of waste product or used containers according to local regulations. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number

ADR-UN number:	not applicable
IATA-Un number:	not applicable
IMDG-Un number:	not applicable

14.2. UN proper shipping name

ADR-Shipping Name:	not applicable
IATA-Shipping Name:	not applicable
IATA-Technical name:	not applicable
IMDG-Shipping Name:	not applicable
IMDG-Technical name:	not applicable

14.3. Transport hazard class(es)

ADR-Label:	not applicable
------------	----------------

Safety Data Sheet

IATA-Label:	not applicable
IMDG-Label:	not applicable
14.4. Packing group	
ADR-Packing Group:	not applicable
IATA-Packing group:	not applicable
IMDG-Packing group:	not applicable
14.5. Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
14.6. Special precautions for user	
ADR-Tunnel Restriction Code:	not applicable
IATA-Passenger Aircraft:	not applicable
IATA-Cargo Aircraft:	not applicable
IMDG-Page:	not applicable
IMDG-EMS:	not applicable
IMDG-MFAG:	not applicable
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	
No	

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
 Dir. 2000/39/EC (Occupational exposure limit values)
 Regulation (EC) n. 1907/2006 (REACH)
 Regulation (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) 2015/830
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
 Restrictions related to the product:
 No restriction.

Restrictions related to the substances contained:
1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5)
 EU - Biocides (2007/565/EC) - Product type: 7
 Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC Product type: 10
 EU - Biocides (1062/2014) - Annex II Part 1 - Supported Substances 339 Product type 2, 6, 9, 11, 12, 13 (220-120-9)

Disperse Blue 360 (CAS 70693-64-0)
 EU - REACH (1907/2006) - List of Registered Substances
 Present

Safety Data Sheet

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Key or legend to abbreviations and acronyms

CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)

Full text of phrases referred to under sections 2 and 3

H228: Flammable solid

H302: Harmful if swallowed.

H315: Causes skin irritation

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life

H413: May cause long lasting harmful effects to aquatic life

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.

Safety Data Sheet

ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.