

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : B/W VIRAGGIO SELENIUM TONER
Trades code : B/W VIR SEL

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

Photographic Process
Sectors of use:
Professional use[SU22]
Product category:
Photochemicals
Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07

Hazard Class and Category Code(s):

Acute Tox. 4, Skin Sens. 1B

Hazard statement Code(s):

H302 - Harmful if swallowed.

H317 - May cause an allergic skin reaction.

Harmful product: do not ingest

The product, if brought into contact with skin can cause skin sensitization.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):

H302 - Harmful if swallowed.

H317 - May cause an allergic skin reaction.

Supplemental Hazard statement Code(s):

EUH031 - Contact with acids liberates toxic gas.

Precautionary statements:

Prevention

P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.



- P264 - Thoroughly wash clothing after use.
 P270 - Do not eat, drink or smoke when using this product.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves protective clothing eye protection face protection.

Response

- P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
 P302+P352 - IF ON SKIN: Wash with plenty of water and seek medical advice.
 P321 - Specific treatment to see instructions on the safety data sheet
 P330 - Rinse mouth.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.

Disposal

- P501 - Dispose of contents and container in accordance with the laws in force

Contains:

sodium selenite

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
 No information on other hazards

SECTION3. Composition/information on ingredients
3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
sodium selenite	>= 1 < 5%	EUH031; Acute Tox. 2, H300; Skin Sens. 1, H317; Acute Tox. 3, H331; Aquatic Chronic 2, H411	034-003-00-3	10102-18-8	233-267-9	NR

SECTION4. First aid measures
4.1. Description of first aid measures
Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room.
CALL A PHYSICIAN.

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.
 If you feel unwell seek medical advice.

If breathing has stopped, give artificial respiration.

Direct contact with skin (of the pure product):

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product):

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

The product is harmful and can cause irreversible damages even following a single exposure if swallowed.
 Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use self-respirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
 Wear protective gloves protective clothing eye protection face protection.
 In residential areas do not use on large surfaces.
 At work do not eat or drink.
 Do not eat, drink or smoke when using this product.
 Contaminated work clothing should not be allowed out of the workplace.
 See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
 Keep containers upright and safe by avoiding the possibility of falls or collisions.
 Store in a cool place, away from sources of heat and `direct exposure of sunlight.

7.3. Specific end use(s)

Professional use:
 Photographic and cinematographic treatment

SECTION8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:
 sodium selenite:
 TLV: (as if) 0.2 mg/m as TWA (ACGIH 2005).
 MAK (inhalable fraction): 0.05 mg/m peak limitation Category: II (4); Cancerogenicity class: 3B risk group for pregnancy: C; (DFG 2006).

8.2. Exposure controls



Appropriate engineering controls:
 Professional use:
 Not established

Individual protection measures:

- (a) Eye / face protection
 When handling the pure product use safety glasses (spectacles cage) (EN 166).
- (b) Skin protection
 - (i) Hand protection
 When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)
 - (ii) Other
 When handling the pure product wear full protective skin clothing.
- (c) Respiratory protection
 Not needed for normal use.
- (d) Thermal hazards
 No hazard to report

Environmental exposure controls:

Related to contained substances:
 sodium selenite:
 Do not let this chemical agent contaminate the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	Not determined	
Odour threshold	undefined	

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In conformity to Regulation (EU) 2015/830

Physical and chemical properties	Value	Determination method
pH	7.00 ± 0.05 a 20 °C	
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	> 100 °C	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	0.6	
Vapour density	Not determined	
Relative density	1.090 ± 0.005 a 20 °C	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:
sodium selenite:
No data available

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Related to contained substances:
sodium selenite:
No data available

10.5. Incompatible materials

It can generate flammable gases in contact with water, mineral acids, organic acids, alcohols and glycols, aldehydes, amines and flammable and combustible materials.

It can generate toxic gases to contact with ditiocarbamate.

It can ignite in contact with acids, alcohol and glycol, aldehydes, strong oxidants agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information**11.1. Information on toxicological effects**

ATE(mix) oral = 354,0 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = 253,0 mg/l/4 h

(a) acute toxicity: Harmful product: do not ingest

(b) skin corrosion/irritation based on available data, the classification criteria are not met.

(c) serious eye damage/irritation: based on available data, the classification criteria are not met.

(d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
sodium selenite: May cause an allergic reaction on the skin.

(e) germ cell mutagenicity: sodium selenite: Laboratory tests revealed mutagenic effects.

(f) carcinogenicity: sodium selenite: This product or contains a component that cannot be classified according to its effect

carcinogen IARC classification, ACGIH, NTP or EPA.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

B/W VIRAGGIO SELENIUM TONER:

LD50 (rat) Oral (mg/kg body weight) = 600

Related to contained substances:

sodium selenite:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion. Inhalation risk Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE: The substance 'irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the liver, heart, nervous system and gastrointestinal tract. And 'effects may be delayed.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the central nervous system, on the bones and on the blood.

ACUTE HAZARDS / SYMPTOMS

INHALATION Abdominal cramps. Cough. Diarrhea. Vertigo. Headache. difficulty breathing. Nausea. Sore throat.

Vomiting. Hair loss.

SKIN Redness. Ache.

Eyes Redness. Ache.

Ingestion Abdominal cramps. Vomiting.

LD50 (rat) Oral (mg/kg body weight) = 7,08

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5,06

SECTION 12. Ecological information**12.1. Toxicity**

Related to contained substances:

sodium selenite:

Toxic to aquatic organisms. Can there be of this chemical bioaccumulate up the food chain, for example in plants and fish. It is strongly recommended that this substance is not released into the environment.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Related to contained substances:

sodium selenite:

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In conformity to Regulation (EU) 2015/830

Bioaccumulation Lepomis macrochirus-120 d -10; CGR/I
Bioconcentration factor (BCF): 1,850

12.4. Mobility in soil

Related to contained substances:
sodium selenite:
No data available

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Other adverse effects

No adverse effects

SECTION13. Disposal considerations**13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information**14.1. UN number**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION15. Regulatory information

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

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/03/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 Work (Exposure Limits Professional); D.M. 03/04/2007 (Implementation of Directive n. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information**16.1. Other information**

Description of the hazard statements exposed to point 3

H300 = Fatal if swallowed.

H317 = May cause an allergic skin reaction.

H331 = Toxic if inhaled.

H411 = Toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

Regolamento 529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.