

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

1.1. Product identifier

Product code : B/W FINAL RINSE
Trades code : BWSTAB

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

Process categories:

Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact)[PROC5]

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):

Skin Sens. 1, Skin Sens. 1B

Hazard statement Code(s):

H317 - May cause an allergic skin reaction.

H317 - May cause an allergic skin reaction.

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):

H317 - May cause an allergic skin reaction.

H317 - May cause an allergic skin reaction.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:



Prevention

P280 - Wear protective gloves protective clothing eye protection face protection.

Contains:

1,2-benzisothiazolin-3-one

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**

Irrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance | Concentration[w/w] | Classification | Index | CAS | EINECS | REACH |
|----------------------------|---------------------|---|--------------|-----------|-----------|----------------------|
| diethylene glycol | >= 1 < 5% | Acute Tox. 4, H302; STOT RE 2, H373 | 603-140-00-6 | 111-46-6 | 203-872-2 | 01-2119457 857-21 |
| 1,2-benzisothiazolin-3-one | >= 0,05 < 0,1% | Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400 | 613-088-00-6 | 2634-33-5 | 220-120-9 | 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 area.
If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running 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:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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 skin irritation or rash occurs: Get medical advice/attention.

SECTION5. 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 selfrespirator, 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

SECTION6. 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 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

SECTION7. Handling and storage**7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors

Wear protective gloves protective clothing eye protection face protection.

At work do not eat or drink.

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

- Substance: diethylene glycol

DNEL

Systemic effects Long term Workers inhalation = 22,11 (mg/m3)

Systemic effects Long term Workers dermal = 1,37 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 12 (mg/m3)

Systemic effects Long term Consumers dermal = 21 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 60 (mg/m3)

Local effects Long term Workers inhalation = 22,11

Local effects Long term Consumers oral = 12 (mg/kg bw/day)

Local effects Long term Consumers inhalation = 12 (mg/m3)

PNEC

Sweet water = 3,17 (mg/l)

sediment Sweet water = 1,2 (mg/kg/sediment)

Sea water = 0,317 (mg/l)

sediment Sea water = 1,2 (mg/kg/sediment)

intermittent emissions = 10 (mg/l)

STP = 31,7 (mg/l)

ground = 0,129 (mg/kg ground)

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:

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

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|----------------------------------|---------------------|----------------------|
| Appearance | liquido | |
| Odour | Not determined | |
| Odour threshold | Irrilevant | |
| pH | 6.50 ± 0.05 a 25 °C | pH METRO |
| Melting point/freezing point | Irrilevant | |

| Physical and chemical properties | Value | Determination method |
|--|----------------------|----------------------|
| Initial boiling point and boiling range | non-oxidizing | |
| Flash point | non flammable | ASTM D92 |
| Evaporation rate | Not determined | |
| Flammability (solid, gas) | non flammable | |
| Upper/lower flammability or explosive limits | Irrilevant | |
| Vapour pressure | Irrilevant | |
| Vapour density | Irrilevant | |
| Relative density | 1.005 ± 0.05 a 25 °C | |
| Solubility | in water | |
| Water solubility | Complete | |
| Partition coefficient: n-octanol/water | Irrilevant | |
| Auto-ignition temperature | Irrilevant | |
| Decomposition temperature | Irrilevant | |
| Viscosity | Irrilevant | |
| 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:
diethylene glycol:
No dangerous reaction if stored and used properly.
1,2-benzisothiazolin-3-one:
Stable under normal conditions of use.

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:
diethylene glycol:
Keep away from flames, sparks and other sources of ignition.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (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.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (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.

Related to contained substances:

diethylene glycol:

Harmful if ingested, it causes nausea, vomiting, gastrointestinal disorders. The product may have harmful effects on human health.

LD50 (rat) Oral (mg/kg body weight) = 19600

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 13300

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 4,6

1,2-benzisothiazolin-3-one:

LD50 (rat) Oral (mg/kg body weight) = 1020

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

diethylene glycol:

Alga *Scenedesmus quadricauda* value = 2700 mg/l. *Daphnia magna* test value = 84000 mg/l. test: 48 h

Acinetobacter bacteria value = 8000 mg/l. test: 4:0 pm

Fish *Gambusia affinis* > 32000 Value mg/l. test: 96 h

1,2-benzisothiazolin-3-one:

C(E)L50 (mg/l) = 0,8

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

12.2. Persistence and degradability

Related to contained substances:

diethylene glycol:

Readily biodegradable.

1,2-benzisothiazolin-3-one:

Readily biodegradable.

12.3. Bioaccumulative potential

Related to contained substances:

diethylene glycol:

Not bioaccumulative.

1,2-benzisothiazolin-3-one:

This product has a low potential for bioaccumulation.

12.4. Mobility in soil

Related to contained substances:

diethylene glycol:

Specific information is not available on this product.

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. Operate according to local or national regulations

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

No chemical safety assessment was carried out by the supplier

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

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.5. Results of PBT and vPvB assessment, 13.1.

Waste treatment methods

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H373 = May cause damage to organs through prolonged or repeated exposure

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H400 = Very toxic to aquatic life.

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.