

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

### **1.1. Product identifier**

Product code : B/W FISSAGGIO FX 100

Trades code : BWFX100

### **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:

None

Hazard Class and Category Code(s):

Nonhazardous

Hazard statement Code(s):

Nonhazardous

### **2.2. Label elements**

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

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Nonhazardous

Supplemental Hazard statement Code(s):

EUH210 - Safety data sheet available on request.

Precautionary statements:

None in particular.

**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                         |
|---------------------------|---------------------|----------------------------|-------|------------|-----------|-------------------------------|
| Ammonium hydrogensulphite | >= 1 < 5%           | EUH031; Eye Irrit. 2, H319 | ND    | 10192-30-0 | 233-469-7 | 01-2119537<br>321-49-000<br>0 |

**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).:

Wash immediately and thoroughly with running water for at least 10 minutes.

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**

No data available.

**SECTION5. Firefighting measures****5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, 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 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:  
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  
At work do not eat or drink.  
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:  
Ammonium hydrogensulphite:  
AMMONIUM BISULFITE solution-CAS: 10192-30-0  
ACGIH, 0.25 ppm-notes: (SO<sub>2</sub>)  
EU, 0.5 ppm, ppm-1 notes: (SO<sub>2</sub>)  
DNEL exposure limit values  
AMMONIUM BISULFITE-CAS: 10192-30-0

Industrial worker: 10 mg/m<sup>3</sup>-Human Inhalation exposure-frequency: long-term, systemic effects

Consumer: 0.901 mg/kg Oral Human exposure-frequency: long-term, local effects

PNEC exposure limit values

AMMONIUM BISULFITE-CAS: 10192-30-0

Target: fresh water-value: 1.04 mg/l

Target: seawater-value: 0.1 mg/l

Target: Microorganisms in wastewater treatment-value: 78.6 mg/l

- Substance: Ammonium hydrogensulphite

DNEL

Systemic effects Long term Workers inhalation = 10 (mg/m<sup>3</sup>)

Local effects Long term Consumers oral = 0,901 (mg/kg bw/day)

PNEC

Sweet water = 1,04 (mg/l)

Sea water = 0,1 (mg/l)

## 8.2. Exposure controls

Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

Not needed for normal use.

(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

Wear normal work clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

Ammonium hydrogensulphite:

Eye protection:

Use protective visors closed, do not use eye lenses.

Skin protection:

Wear clothing that guarantee full protection for the skin, eg. cotton, rubber, PVC or viton.

Protection of hands:

Use protective gloves that provide for full protection, eg. PVC, neoprene or rubber.

Respiratory protection:

Where ventilation is insufficient or exposure is prolonged use of a respiratory protective device, eg. CEN/FFP-2 (S) or CEN/FFP-3 (S).

Thermal Hazards:

no

Environmental exposure controls:

no

## SECTION9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value         | Determination method |
|----------------------------------|---------------|----------------------|
| Appearance                       | Liquid        |                      |
| Odour                            | Ammonia light |                      |

In conformity to Regulation (EU) 2015/830

| Physical and chemical properties             | Value                              | Determination method |
|--|------------------------------------|----------------------|
| Odour threshold                              | Irrilevant                         |                      |
| pH   | 6.30 ± 0.10                        | pH METRO             |
| Melting point/freezing point                 | Irrilevant                         |                      |
| Initial boiling point and boiling range      | > 100 °C                           |                      |
| Flash point                                  | non flammable                      | ASTM D92             |
| Evaporation rate                             | Irrilevant                         |                      |
| Flammability (solid, gas)                    | Irrilevant                         |                      |
| Upper/lower flammability or explosive limits | Irrilevant                         |                      |
| Vapour pressure                              | Irrilevant                         |                      |
| Vapour density                               | Irrilevant                         |                      |
| Relative density                             | 1.280 ± 0.010 gr / dm <sup>3</sup> |                      |
| Solubility                                   | in water                           |                      |
| Water solubility                             | Complete                           |                      |
| Partition coefficient: n-octanol/water       | Irrilevant                         |                      |
| Auto-ignition temperature                    | non flammable                      |                      |
| 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:  
Ammonium hydrogensulphite:  
Stable under normal conditions.

### 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:  
Ammonium hydrogensulphite:  
Stable under normal conditions.

### 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: based on available data, the classification criteria are not met.
- (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:

Ammonium hydrogensulphite:

Toxicological information pertaining to the substance:

AMMONIUM BISULFITE solution-CAS: 10192-30-0

c) serious eye injuries/ocular severe irritation:

Test: corrosive to Positive eyes

The main impurities in substances: N.A.

Unless otherwise specified, the information required by regulation 453/2010/EC listed below are N.A.:

- a) acute toxic;
- b) corrosion/irritation;
- c) serious eye injuries/ocular severe irritation;
- (d) respiratory or skin sensitization);
- e) germ cell mutagenicit;
- f) cancerogenicit;
- g) toxic to reproduction;
- h) specific toxic to target organs (STOT) 14 single exposure;
- the) toxic to target organs (STOT) 14 repeated exposure;
- j) danger in case of aspiration.

**SECTION12. Ecological information****12.1. Toxicity**

Related to contained substances:

Ammonium hydrogensulphite:

Follow good working practices, avoid dispersion into the environment.

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

**12.2. Persistence and degradability**

Related to contained substances:

Ammonium hydrogensulphite:

Non-persistent and biodegradable.

**12.3. Bioaccumulative potential**

Related to contained substances:

Ammonium hydrogensulphite:

No

**12.4. Mobility in soil**

Related to contained substances:

Ammonium hydrogensulphite:  
No

**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**

Related to contained substances:  
Ammonium hydrogensulphite:  
Legislative Decree No. 81 4/9/2008  
D.m. 2/26/2004 Work (occupational exposure limits)  
Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) no 1272/2008 (CLP)  
Regulation (EC) no 790/2009 (ATP 1 CLP) and (EC) no 758/2013  
Commission Regulation (EU) 2015/830  
Commission Regulation (EU) no 286/2011 (ATP 2 CLP)  
Commission Regulation (EU) no 618/2012 (ATP 3 CLP)  
Commission Regulation (EU) no 487/2013 (ATP 4 CLP)  
Commission Regulation (EU) no 944/2013 (ATP 5 CLP)  
Commission Regulation (EU) no 605/2014 (ATP 6 CLP)  
Restrictions on product or substances in accordance with annex XVII of Council Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
Product restrictions: Restriction 3  
Substances restrictions: no restrictions.  
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: 2.3. Other hazards, 10.4. Conditions to avoid, 11.1. Information on toxicological effects, 12.5. Results of PBT and vPvB assessment

Description of the hazard statements exposed to point 3

H319 = Causes serious eye irritation.

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.