

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

**1.1. Product identifier**

Product code : ANTIFOG FILM  
Trades code : 100150  
Chemical Name: Benzotriazole CAS: 95-14-7 - EC No: 202-394-1

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

Photographic Process  
Sectors of use:  
Professional use[SU22]  
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**

CAS 95-14-7 EINECS 202-394-1

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

Pictograms:

GHS07

Hazard Class and Category Code(s):

Acute Tox. 4, Eye Irrit. 2, Aquatic Chronic 3

Hazard statement Code(s):

H302+H332 - Harmful if swallowed or if inhaled

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Harmful product: do not ingest or inhale

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

**2.2. Label elements**

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

Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):

H302+H332 - Harmful if swallowed or if inhaled

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

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.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves protective clothing eye protection face protection.

**Response**

- P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER/doctor/... if you feel unwell.  
P330 - Rinse mouth.  
P337+P313 - If eye irritation persists: Get medical advice attention.

**Disposal**

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

**Contains:**

Benzotriazole

**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**

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[ w/w]	Classification	Index	CAS	EINECS	REACH
Benzotriazole	100%	Acute Tox. 4, H302; Eye Irrit. 2, H319; Acute Tox. 4, H332; Aquatic Chronic 3, H412		95-14-7	202-394-1	

**3.2 Mixtures**

Irrilevant

**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.

If breathing has stopped, give artificial respiration.

**Direct contact with skin (of the pure product):**

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

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

**Direct contact with eyes (of the pure product):**

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

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

**Ingestion:**

Give liquid paraffin mineral product, do not give milk or animal / vegetal fat in general.  
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 eye irritation persists: Get medical advice attention.

**SECTION 5. 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

**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

Inform the competent 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 the removal.

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**

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.  
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**

No data available.

**8.2. Exposure controls**



Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

Wear mask

(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

Use adequate protective respiratory equipment (EN 14387:2008)

(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	Solid	
Odour	Non determinato	
Odour threshold	undefined	
pH	6,00 - 7,00 a 100g/l a 20°C	pH METRO

Physical and chemical properties	Value	Determination method
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	Not determined	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	Non pretinente	
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.

## SECTION10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 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

Nothing to report

### 10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.  
It can ignite in contact with oxidants mineral acids, elementary metals, nitrides, organic peroxides, organic water peroxides, oxidating and 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 oral = 500,0 mg/kg  
ATE dermal = ∞  
ATE inhal = 11,0 mg//4 h
- (a) acute toxicity: Harmful product: do not ingest or inhale
  - (b) skin corrosion/irritation based on available data, the classification criteria are not met.
  - (c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
  - (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.

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

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure. Use according to good working practices to avoid pollution into the environment.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

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

**SECTION 13. 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

**SECTION 14. 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).

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In conformity to Regulation (EU) 2015/830

**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

**SECTION 15. 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). REGULATION (EU) No 1357/2014 - waste:  
HP4 - Irritant — skin irritation and eye damage

**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

H302 = Harmful if swallowed.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

H412 = Harmful to aquatic life with long lasting effects.

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.