

Issued on 05/16/2011 - Rel. # 4 on 03/09/2016

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In conformity to Regulation (EU) 2015/830

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

1.1. Product identifier

Product code: ars-imago 41 COLOR NEGATIVE DEVELOPER

Trades code: CH1017

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 ar- ticles (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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ECTION2. 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 Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic Chronic 3

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

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

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:



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Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

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.

P273 - Avoid release to the environment.

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

Response

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: 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:

Potassium Carbonate an., (4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate

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	Classification	Index	CAS	EINECS	REACh
Potassium Carbonate an.	> 10 <= 20%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		584-08-7	209-529-3	01-2119532 646-36-001 0
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
(4-ammonio-m-tolyl)ethyl(2-hydro xyethyl)ammonium sulphate	> 1 <= 5%	Acute Tox. 3, H301; Skin Sens. 1, H317; STOT RE 2, H373; Aquatic Chronic 1, H410	612-133-00-7	25646-77-9	247-162-0	
N-carboxymethyliminobis(ethylen enitrilo)tetra(acetic acid)	> 1 <= 5%	Eye Irrit. 2, H319		67-43-6	200-652-8	

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:





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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) .:

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.

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. Indestion:

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 occurs: Get medical advice attention. If eye irritation persists: 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



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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.

In residential areas do not use on large surfaces.

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

Related to contained substances:

(4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate:

Not established.

- Substance: Potassium Carbonate an.

DNEL

Local effects Long term Workers inhalation = 10

Local effects Long term Workers dermal = 16 (mg/kg bw/day)

Local effects Long term Consumers dermal = 8 (mg/kg bw/day)

Local effects Long term Consumers inhalation = 10 (mg/m3)

- 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



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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/I)

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)

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:

Potassium Carbonate an .:

At work do not eat, don't drink, don't smoke.

Respiratory protection equipment

In the case of recommended use of dust dust mask.

Hand protection

Wear rubber gloves approved according to EN374.

Eye protection

Safety glasses with side-shields (EN 166).

Additional information about design of technical systems

Workplaces must be adequately ventilated. Where possible, install sources of local exhaust air replacement systems and effective General. If these measures are not sufficient to maintain concentrations of particulate materials and solvent vapours below the exposure limit, you will need to make use of adequate respiratory protection. solfato di (4-ammonio-m-tolil)etil(2-idrossietil)ammonio

**** Not translated ****

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	Irrilevant	
Odour threshold	Irrilevant	
pH	10,45	pH METRO
Melting point/freezing point	Not determined	



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Physical and chemical properties	Value	Determination method
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	Irrilevant	
Vapour density	Not determined	
Relative density	1.260 ± 0.010 a 20°C	
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.

SECTION10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

Potassium Carbonate an.:

No hazardous reactions if stored and used properly.

diethylene glycol:

No dangerous reaction if stored and used properly.

(4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate:

Stable under normal conditions.

N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid):

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

Nothing to report

10.5. Incompatible materials

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



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agents.

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

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

ECTION11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 2.762,4 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: Potassium Carbonate an.: Cause irritation to the mouth, throat, stomach and gastrointestinal problems
- (b) skin corrosion/irritationIf brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

Potassium Carbonate an.: Corrosion on contact with the eyes and can cause severe burns and deep ulcerations that can leave scars

Potassium Carbonate an.: Causes skin irritation.

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

Potassium Carbonate an.: The seriousness of the injury depends on the concentration of the product, by time and temperature

Potassium Carbonate an.: Causes serious eye irritation.

- (d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
- Potassium Carbonate an.: May cause slight irritation.
- (e) germ cell mutagenicity: Potassium Carbonate an.: The concentration that can produce mutagenic effects strongly elevated. On the basis of the limited mutagenecit found in animals, the risk of genetic damage on 19uomo considered insignificant.
 - (f) carcinogenicity: Potassium Carbonate an.: Not reported evidence of this effect
 - (g) reproductive toxicity: Potassium Carbonate an.: Not reported evidence of such an effect.
- (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 exposurebased on available data, the classification criteria are not met.
- (j) aspiration hazard: Potassium Carbonate an.: Cause irritation to the respiratory tract.

Related to contained substances:

Potassium Carbonate an .:

The product may have harmful effects on human health.

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

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

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

(4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate:

It can cause allergic reactions on the basis of experiments on human subjects. Causes respiratory tract irritation.

LD50 (rat) Oral (mg/kg body weight) = 50

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 164

N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid):

LD50 (rat) Oral (mg/kg body weight) = 2000

SECTION12. Ecological information



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12.1. Toxicity

Related to contained substances:

Potassium Carbonate an .:

Ec50 (Potassium CARBONATE; Nr. CAS: 584-08-7) Daphnia Daphnia pulex Value = 200 mg/l For. test: 48 h Lc50 (Potassium CARBONATE; Nr. CAS: 584-08-7)

Fish rainbow trout Value = 68 mg/l

C(E)L50 (mg/I) = 200

diethylene glycol:

Alga Scenedesmus quadricauda value = 2700 mg/l. Daphnia 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

(4-ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate:

Toxicity to fish (LC50): 0.1 mg / I (exposure time: 96 h)

Toxicity to daphnia (EC50): 0.63 to 0.78 mg / I (exposure time: 48 h)

Toxicity to algae (EC50): <4 mg / I

Toxicity to other organisms. (IC50): 218 mg / I (exposure time: 5 h)

C(E)L50 (mg/I) = 0,1

N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid):

C(E)L50 (mg/I) = 100

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

Related to contained substances:

Potassium Carbonate an .:

Specific information is not available on this product.

diethylene glycol:

Readily biodegradable.

12.3. Bioaccumulative potential

Related to contained substances:

Potassium Carbonate an.:

Unpredictable potential for bioaccumulation.

diethylene glycol:

Not bioaccumulative.

12.4. Mobility in soil

Related to contained substances:

Potassium Carbonate an .:

Data not available

diethylene glycol:

Specific information is not available on this product.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No adverse effects

SECTION13. Disposal considerations



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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

Related to contained substances:

Potassium Carbonate an.:

EU Regulation 286/2011 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

Directive 67/548 / EEC (Classification, Packaging and Labeling of dangerous substances) and subsequent amendments.

Directive 1999/45 / EC (Classification, Packaging and Labeling of dangerous preparations) and subsequent amendments.

Regulation no. 1907/2006 / EC (REACH).

Regulation no. 1272/2008 / EC (CLP).

Regulation no. 790/2009 / EC (amending, for the purposes of adaptation to scientific and technical progress, ATP

Regulation no. 1272/2008 / EC).



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EU Regulation 286/2011 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

EU Regulation 618/2012 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

EU Regulation 487/2013 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

Regulation 830/2015 / EU (amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

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

No chemical safety assessment was carried out by the supplier

SECTION16. 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, 6.3. 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, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 13.1. Waste treatment methods, 14.1. UN number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 14.6. Special precautions for user, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

H302 = Harmful if swallowed.

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

H301 = Toxic if swallowed.

H317 = May cause an allergic skin reaction.

H410 = Very 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

Regolamento529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.



C 41 Bleach RA

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

1.1. Product identifier

Product code: C 41 SBIANCA RA

Trades code: TN SB RA

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 ar- ticles (multistage and/or significant con-

tact)[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:



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None in particular.

Contains:

Contains: 1,3 PDTA Ferric Ammonium Complex

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

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Substance	Concentration	Classification	Index	CAS	EINECS	REACh
Acetic acid 80 % Note: B	> 5 <= 10%	Skin Corr. 1A, H314	607-002-00-6	64-19-7	200-580-7	01-2119475 328-30
trimethylenediaminetetraacetic acid	>= 0,1 <= 1%	Acute Tox. 4, H302; Eye Dam. 1, H318; Repr. 2, H361	607-189-00-4	1939-36-2	400-400-9	01-0000015 036-78-000 3

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 thorougly 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



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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 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.



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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:

Acetic acid 80 %:

ACETIC ACID ...%; No. CAs: 64-19-7

Type of limit value (country of origin): TWA (EC)

Limit value: 10 ppm/25 mg/m3 trimethylenediaminetetraacetic acid:

Not established

- Substance: Acetic acid 80 %

DNEL

Systemic effects Long term Workers inhalation = 25 (mg/m3) Systemic effects Long term Consumers inhalation = 25 (mg/m3) Systemic effects Short term Workers inhalation = 25 (mg/m3) Systemic effects Short term Consumers inhalation = 25 (mg/m3)

PNEC

Sweet water = 3,058 (mg/l)

sediment Sweet water = 11,36 (mg/kg/sediment)

Sea water = 0,3058 (mg/l)

sediment Sea water = 1,136 (mg/kg/sediment)

intermittent emissions = 30,58 (mg/l)

STP = 85 (mg/l)

ground = 0,47 (mg/kg ground)

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:

Acetic acid 80 %:

For the selection of suitable gloves more, see the class that owns the pericolosit preparation (section 2), refer to the risk assessment carried out by you and, where appropriate, see also the supplier of choice for the most protective material



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appropriate. Avoid contact with skin when handling the substance / preparation or a mixture of protective gloves and protective clothing appropriate to the risk of 'transaction. Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact:

Material Thickness

Nitrile rubber curing time> = 0.38 mm> 480 min

Neoprene> = 0.65 mm> 240 min

Butyl rubber> = 0.36 mm> 480 min

Do not get this chemical enter 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	Acre	
Odour threshold	Irrilevant	
рН	4.00 ± 0.10 a 25 °C	pH METRO
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	> 100 °C	
Flash point	> 94 °C	ASTM D92
Evaporation rate	Irrilevant	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	Irrilevant	
Vapour pressure	Irrilevant	
Vapour density	0.6	
Relative density	1.160 ± 0.010 g/cm3 a 25 °C	
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.

SECTION10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

Acetic acid 80 %:

The corrosive product, can lead to dangerous reactions.

trimethylenediaminetetraacetic acid:

No data available



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In conformity to Regulation (EU) 2015/830

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 flammable gases in contact with dithiocarbamates, primary metals, nitrides, strong reducing agents. It can generate toxic gases to contact with ditiocarbamate, organic fluoride, inorganic sulfide, strong oxidants agents. It can ignite in contact with elementary metals.

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 = 1.790.189,8 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritationAcetic acid 80 %: Skin irritation (OECD 404): irritant (rat)
- (c) serious eye damage/irritation: Acetic acid 80 %: Eye irritation (OECD 405): corrosive (determined on rabbit eyes)
- (d) respiratory or skin sensitization: Acetic acid 80 %: No sensitizing effects known.
- (e) germ cell mutagenicity: Acetic acid 80 %: No known mutagenic, carcinogenic or reprotoxicants.
- (f) carcinogenicity: Acetic acid 80 %: No known mutagenic, carcinogenic or reprotoxicants.
- (g) reproductive toxicity: Acetic acid 80 %: Parameter: NOAEL (fetal development) (acetic acid ...%; No. CAs: 64-19-7) Route of exposure: rabbit

Effective dose: 1600 mg/kg bw/day

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

Health hazards:

Eye contact: accidental contact of the product with the eyes may cause irritation.

Contact with skin: the product is an irritant. Repeated or prolonged contact can degrease and irritate the skin and cause dermatitis in some cases.

Ingestion: ingestion can cause irritation of the mucous membranes of the throat and digestive system resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: prolonged exposure to vapours or mists of product may cause irritation to respiratory tract.

Related to contained substances:

Acetic acid 80 %:

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): 9194 mg/kg (Rat) (Calculated value for the mixture).

Acute dermal toxicity (LD50): 2944 mg/kg (Rabbit) (Calculated value for the mixture).



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Chronic Effects on Humans:

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Acetic acid]. Mutagenic for bacteria and/or yeast. [Acetic acid].

Contains material which may cause damage to the following organs: kidneys, mucous membranes, skin, teeth.

Other Toxic Effects on Humans:

Extremely hazardous in case of inhalation (lung corrosive).

Very hazardous in case of skin contact (irritant), of ingestion, .

Hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material and may cause reproductive effects based on animal data. No human data found. (Acetic acid)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: Extremely irritating and corrosive. Causes skin irritation (reddening and itching, inflammation). May cause blistering, tissue damage and burns.

Eyes: Extremely irritating and corrosive. Causes eye irritation, lacrimation, redness, and pain. May cause burns, blurred vision, conjunctivitis, conjunctival and corneal destruction and permanent injury.

Inhalation: Causes severe respiratory tract irritation. Affects the sense organs (nose, ear, eye, taste), and blood.

May cause chemical pneumonitis, bronchitis, and pulmonary edema. Severe exposure may result in lung tissue damage and corrosion (ulceration) of the mucous membranes. Inhalation may also cause rhinitis, sneezing, coughing, oppressive feeling in the chest or chest pain, dyspnea, wheezing, tachypnea, cyanosis, salivation, nausea, giddiness, muscular weakness.

Ingestion: Moderately toxic. Corrosive. Causes gastrointestinal tract irritation (burning and pain of the mouth, throat, and abdomen, coughing, ulceration, bleeding, nausea, abdomial spasms, vomiting, hematemesis, diarrhea. May Also affect the liver (impaired liver function), behavior (convulsions, giddines, muscular weakness), and the urinary system - kidneys (Hematuria, Albuminuria, Nephrosis, acute renal failure, acute tubular necrosis). May also cause dyspnea or asphyxia. May also lead to shock, coma and death.

Chronic Potential Health Effects:

Chronic exposure via ingestion may cause blackening or erosion of the teeth and jaw necrosis, pharyngitis, and gastritis. It may also behavior (similar to acute ingestion), and metabolism (weight loss).

Chronic exposure via inhalation may cause asthma and/or bronchitis with cough, phlegm, and/or shortness of breath. It may also affect the blood (decreased leukocyte count), and urinary system (kidneys).

Repeated or prolonged skin contact may cause thickening, blackening, and cracking of the skin. (Acetic acid)

LD50 (rat) Oral (mg/kg body weight) = 3530

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4960

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5620

trimethylenediaminetetraacetic acid:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

Acetic acid 80 %:

LC50: Oncorhynchus mykiss Fish > Value mg/l for 300.82. test: 96 h

EC50 Daphnia: Daphnia magna > Value mg/l for 300.82. test: 48 h

Alga Skeletonema costatum EC50: > Value mg/l for 300.82. test: 72 h

trimethylenediaminetetraacetic acid:

Toxicity to fish (LC50) > 100 mg / I (exposure time 96 h)

Toxicity to daphnia (EC50) > 100 mg / I (exposure time 96 h)

C(E)L50 (mg/I) = 88

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

12.2. Persistence and degradability

Related to contained substances:

Acetic acid 80 %:

Biodegrades, aerobically and anaerobically, both in water and on the ground.



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Carboxylic acids are generally resistant to hydrolysis in aqueous medium. trimethylenediaminetetraacetic acid:

Not readily biodegradable.

12.3. Bioaccumulative potential

Related to contained substances: Acetic acid 80 %: Has low potential for bioconcentration trimethylenediaminetetraacetic acid: No data available

12.4. Mobility in soil

Related to contained substances:

Acetic acid 80 %:

Mobility has ground between moderate and very high. Pu volatilize from the soil.

Do not evaporate from damp and wet. There is atmosphere in vapour phase.

trimethylenediaminetetraacetic acid:

No information available

12.5. Results of PBT and vPvB assessment

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

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



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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:

trimethylenediaminetetraacetic acid:

All listed

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

SECTION16. 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, 3.2 Mixtures, 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, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 13.1. Waste treatment methods

Description of the hazard statements exposed to point 3

H314 = Causes severe skin burns and eye damage.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H361 = Suspected of damaging fertility or the unborn child

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

Regolamento529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.



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

1.1. Product identifier

Product code: C 41 FISSAGGIO RA

Trades code: TN FIX RA

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 ar- ticles (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

ars-imago international s.r.l.

Via Caio Mario 25 - 00192 - ROMA ITALY

Tel +39 0696042253

E-mail: support@ars-imago.com - Web: www.ars-imago.com

E-mail technical assistance: support@ars-imago.com

Produced by

BELLINI FOTO S.r.L.

Via Ferriera, 68 06089 TORGIANO - PG - ITALY Tel. +39 075 985174

1.4. Emergency telephone number

Bellini Foto S.r.l. (PG) - Tel . +39 075 985 174

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):

EUH032 - Contact with acids liberates very toxic gas.

EUH210 - Safety data sheet available on request.



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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

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Substance	Concentration	Classification	Index	CAS	EINECS	REACh
Ammonium thiocyanate	> 10 <= 20%	EUH032; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332		1762-95-4	217-175-6	
Ammonium hydrogensulphite	> 1 <= 5%	EUH031; Eye Irrit. 2, H319		10192-30-0	233-469-7	01-2119537 321-49-000 0
Acetic acid 80 % Note: B substance for which there are Community workplace exposure limits	> 0,1 <= 1%	Skin Corr. 1A, H314	607-002-00-6	64-19-7	200-580-7	01-2119475 328-30

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 thorougly 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.



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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 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



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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: (SO2) EU, 0.5 ppm, ppm-1 notes: (SO2) DNEL exposure limit values

AMMONIUM BISULFITE-CAS: 10192-30-0

Industrial worker: 10 mg/m3-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

Acetic acid 80 %:

ACETIC ACID ...%; No. CAs: 64-19-7

Type of limit value (country of origin): TWA (EC)

Limit value: 10 ppm/25 mg/m3

- Substance: Ammonium hydrogensulphite

DNFI

Systemic effects Long term Workers inhalation = 10 (mg/m3) 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)

- Substance: Acetic acid 80 %

DNEL

Systemic effects Long term Workers inhalation = 25 (mg/m3) Systemic effects Long term Consumers inhalation = 25 (mg/m3)

Systemic effects Short term Workers inhalation = 25 (mg/m3)

Systemic effects Short term Consumers inhalation = 25 (mg/m3)

PNEC

Sweet water = 3,058 (mg/I)

sediment Sweet water = 11,36 (mg/kg/sediment)

Sea water = 0.3058 (mg/I)

sediment Sea water = 1,136 (mg/kg/sediment)

intermittent emissions = 30,58 (mg/l)

STP = 85 (mg/l)

ground = 0,47 (mg/kg ground)

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SAFETY DATA SHEET

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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

Acetic acid 80 %:

For the selection of suitable gloves more, see the class that owns the pericolosit preparation (section 2), refer to the risk assessment carried out by you and, where appropriate, see also the supplier of choice for the most protective material appropriate. Avoid contact with skin when handling the substance / preparation or a mixture of protective gloves and protective clothing appropriate to the risk of 'transaction. Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact:

Material Thickness

Nitrile rubber curing time> = 0.38 mm> 480 min

Neoprene> = 0.65 mm> 240 min

Butyl rubber> = 0.36 mm> 480 min

Do not get this chemical enter 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	Ammonia light	
Odour threshold	Irrilevant	
pH	8.00 ± 0.10 a 25 °C	pH METRO



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Physical and chemical properties	Value	Determination method
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	1.170 ± 0.010 a 25 °C	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Irrilevant	
Auto-ignition temperature	Irrilevant	
Decomposition temperature	> 170 °C	
Viscosity	Irrilevant	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

Related to contained substances: Ammonium hydrogensulphite:

Stable under normal conditions.

Acetic acid 80 %:

The corrosive product, can lead to dangerous reactions.

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, inorganic sulfide, strong reducing agents.

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



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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 = 2.941,2 mg/kg

ATE(mix) dermal = 6.470,6 mg/kg

ATE(mix) inhal = 64,7 mg/l/4 h

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritationAcetic acid 80 %: Skin irritation (OECD 404): irritant (rat)
- (c) serious eye damage/irritation: Acetic acid 80 %: Eye irritation (OECD 405): corrosive (determined on rabbit eyes)
- (d) respiratory or skin sensitization: Acetic acid 80 %: No sensitizing effects known.
- (e) germ cell mutagenicity: Acetic acid 80 %: No known mutagenic, carcinogenic or reprotoxicants.
- (f) carcinogenicity: Acetic acid 80 %: No known mutagenic, carcinogenic or reprotoxicants.
- (g) reproductive toxicity: Acetic acid 80 %: Parameter: NOAEL (fetal development) (acetic acid ...%; No. CAs: 64-19-7) Route of exposure: rabbit

Effective dose: 1600 mg/kg bw/day

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

Health hazards:

Eye contact: accidental contact of the product with the eyes may cause irritation.

Contact with skin: the product is an irritant. Repeated or prolonged contact can degrease and irritate the skin and cause dermatitis in some cases.

Ingestion: ingestion can cause irritation of the mucous membranes of the throat and digestive system resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: prolonged exposure to vapours or mists of product may cause irritation to respiratory tract.

Related to contained substances:

Ammonium thiocyanate:

LD50 (rat) Oral (mg/kg body weight) = 500

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.

Acetic acid 80 %:

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): 9194 mg/kg (Rat) (Calculated value for the mixture).

Acute dermal toxicity (LD50): 2944 mg/kg (Rabbit) (Calculated value for the mixture).

Chronic Effects on Humans:



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MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Acetic acid]. Mutagenic for bacteria and/or yeast. [Acetic acid].

Contains material which may cause damage to the following organs: kidneys, mucous membranes, skin, teeth.

Other Toxic Effects on Humans:

Extremely hazardous in case of inhalation (lung corrosive).

Very hazardous in case of skin contact (irritant), of ingestion, .

Hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material and may cause reproductive effects based on animal data. No human data found. (Acetic acid)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: Extremely irritating and corrosive. Causes skin irritation (reddening and itching, inflammation). May cause blistering tissue damage and burns.

Eyes: Extremely irritating and corrosive. Causes eye irritation, lacrimation, redness, and pain. May cause burns, blurred vision, conjunctivitis, conjunctival and corneal destruction and permanent injury.

Inhalation: Causes severe respiratory tract irritation. Affects the sense organs (nose, ear, eye, taste), and blood.

May cause chemical pneumonitis, bronchitis, and pulmonary edema. Severe exposure may result in lung tissue damage and corrosion (ulceration) of the mucous membranes. Inhalation may also cause rhinitis, sneezing, coughing, oppressive feeling in the chest or chest pain, dyspnea, wheezing, tachypnea, cyanosis, salivation, nausea, giddiness, muscular weakness.

Ingestion: Moderately toxic. Corrosive. Causes gastrointestinal tract irritation (burning and pain of the mouth, throat, and abdomen, coughing, ulceration, bleeding, nausea, abdomial spasms, vomiting, hematemesis, diarrhea. May Also affect the liver (impaired liver function), behavior (convulsions, giddines, muscular weakness), and the urinary system - kidneys (Hematuria, Albuminuria, Nephrosis, acute renal failure, acute tubular necrosis). May also cause dyspnea or asphyxia. May also lead to shock, coma and death.

Chronic Potential Health Effects:

Chronic exposure via ingestion may cause blackening or erosion of the teeth and jaw necrosis, pharyngitis, and gastritis. It may also behavior (similar to acute ingestion), and metabolism (weight loss).

Chronic exposure via inhalation may cause asthma and/or bronchitis with cough, phlegm, and/or shortness of breath. It may also affect the blood (decreased leukocyte count), and urinary system (kidneys).

Repeated or prolonged skin contact may cause thickening, blackening, and cracking of the skin. (Acetic acid)

LD50 (rat) Oral (mg/kg body weight) = 3530

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4960

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5620

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

Ammonium hydrogensulphite:

Follow good working practices, avoid dispersion into the environment.

Acetic acid 80 %:

LC50: Oncorhynchus mykiss Fish > Value mg/l for 300.82. test: 96 h

EC50 Daphnia: Daphnia magna > Value mg/l for 300.82. test: 48 h

Alga Skeletonema costatum EC50: > Value mg/l for 300.82. test: 72 h

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

12.2. Persistence and degradability

Ammonio tiocianato

**** Not translated ****

Ammonium hydrogensulphite:

Non-persistent and biodegradable.

Acetic acid 80 %:

Biodegrades, aerobically and anaerobically, both in water and on the ground.

Carboxylic acids are generally resistant to hydrolysis in aqueous medium.



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12.3. Bioaccumulative potential

Related to contained substances:

Ammonium hydrogensulphite:

Nο

Acetic acid 80 %:

Has low potential for bioconcentration

12.4. Mobility in soil

Related to contained substances:

Ammonium hydrogensulphite:

No

Acetic acid 80 %:

Mobility has ground between moderate and very high. Pu volatilize from the soil.

Do not evaporate from damp and wet. There is atmosphere in vapour phase.

12.5. Results of PBT and vPvB assessment

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

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



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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

SECTION16. 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, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 6.1. Personal precautions, protective equipment and emergency procedures, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 13.1. Waste treatment methods, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H332 = Harmful if inhaled.

H319 = Causes serious eye irritation.

H314 = Causes severe skin burns and eye damage.

Classification based on data of all mixture components

Main normative references:



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Directive 1999/45/EC Directive 2001/60/EC Regulation 1272/2008/EC Regulation 2010/453/EC

Regolamento529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.



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In conformity to Regulation (EU) 2015/830

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

1.1. Product identifier

Product code: C 41 STABILIZZATORE E LAVAGGIO

Trades code: TN STABIL

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 ar- ticles (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

ars-imago international s.r.l.

Via Caio Mario 25 - 00192 - ROMA ITALY

Tel +39 0696042253

E-mail: support@ars-imago.com - Web: www.ars-imago.com

E-mail technical assistance: support@ars-imago.com

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Via Ferriera, 68 06089 TORGIANO - PG - ITALY Tel. +39 075 985174

1.4. Emergency telephone number

Bellini Foto S.r.l. (PG) - Tel . +39 075 985 174

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

Hazard statement Code(s):

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.

Supplemental Hazard statement Code(s):

not applicable





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Precautionary statements:

Prevention

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

P272 - Contaminated work clothing should not be allowed out of the workplace.

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

Response

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

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:

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

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACh
1,2-benzisothiazolin-3-one	> 0,1 <= 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	

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).:

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:

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.



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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



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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.

In residential areas do not use on large surfaces.

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

ECTION8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

No data available.









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.

ECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	undefined	



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Physical and chemical properties	Value	Determination method
Odour threshold	Irrilevant	
pH	7.00 ± 0.10 a 25 °C	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	0.6	
Relative density	1.005 ± 0.010 a 25 °C	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Irrilevant	
Decomposition temperature	> 180 °C	
Viscosity	Irrilevant	
Explosive properties	not explosive	
Oxidising properties	not explosive	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

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

Nothing to report

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 solfide, strong reducing agents.



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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 = 728.571,4 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritationbased 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 exposurebased 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:

1,2-benzisothiazolin-3-one:

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

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

1,2-benzisothiazolin-3-one:

C(E)L50 (mg/I) = 0.8

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

12.2. Persistence and degradability

Related to contained substances:

1,2-benzisothiazolin-3-one:

Readily biodegradable.

12.3. Bioaccumulative potential

Related to contained substances:

1,2-benzisothiazolin-3-one:

This product has a low potential for bioaccumulation.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No adverse effects



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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).



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In conformity to Regulation (EU) 2015/830

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION16. 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, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 13.1. Waste treatment methods

Description of the hazard statements exposed to point 3

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.

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

Regolamento529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.