



Safety Data Sheet



ACRILEM 902TM

Safety Data Sheet dated 20/11/2017, version 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: ACRILEM 902TM

Trade code: 782

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

Industrial user (IS)

Adhesives, binding agents. Resin used in the production of coating and/or adhesives.

1.3. Details of the supplier of the safety data sheet

Company:

ICAP-SIRA CHEMICALS AND POLYMERS S.P.A.

Via F.Corriconi 19 20015 Parabiago (MI) Italia Tel. +39 0331 496111 fax +39 0331 495005

Competent person responsible for the safety data sheet:

msds@icapsira.com

1.4. Emergency telephone number

Regional EU number: +44 1235 239670

Region North Africa number: +44 1235 239671

(NCEC - National Chemical Emergency Centre)

For enquiries technicals (no emergency service): ICAP-SIRA Chemicals and polymers S.P.A. - Tel. +39 0331 496111 Fax +39 0331 495005 (Monday to Friday 08.00-12.30/14.00-18.00 UTC/GMT +1).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Warning, Skin Sens. 1, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:





Warning

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

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

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

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

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients























3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 0.5% - < 1%	Poly(oxy-1,2-ethanediyl) a-[(1,1,3,3-tetramethylbutyl)phenyl]-w-hydroxy-	CAS: 9036-19-5	4.1/C3 Aquatic Chronic 3 H412
>= 0.1% - < 0.25%	ethanediol; ethylene glycol	Index number: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 REACH No.: 01-2119456816-28	3.1/4/Oral Acute Tox. 4 H302 3.9/2 STOT RE 2 H373
285 ppm	1,2-benzisothiazol-3(2H)-one; □ 1,2-benzisothiazolin-3-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9	3.1/2/Inhal Acute Tox. 2 H330 3.2/2 Skin Irrit. 2 H315 4.1/C2 Aquatic Chronic 2 H411 M=1. 3.3/1 Eye Dam. 1 H318 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

			 4.1/A1 Aquatic Acute 1 H400 M=1.  3.1/4/Oral Acute Tox. 4 H302
216 ppm	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	Index number: 603-085-00-8 CAS: 52-51-7 EC: 200-143-0	 3.8/3 STOT SE 3 H335  4.1/C2 Aquatic Chronic 2 H411 M=10.  3.2/2 Skin Irrit. 2 H315  3.3/1 Eye Dam. 1 H318  4.1/A1 Aquatic Acute 1 H400 M=10.  3.1/4/Oral Acute Tox. 4 H302  3.1/4/Dermal Acute Tox. 4 H312
17 ppm	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi	Index number: 613-167-00-5 CAS: 55965-84-9 EC: 611-341-5	 3.2/1B Skin Corr. 1B H314  3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317  4.1/A1 Aquatic Acute 1 H400 M=10.  4.1/C1 Aquatic Chronic 1 H410 M=1.  3.1/3/Oral Acute Tox. 3 H301  3.1/3/Dermal Acute Tox. 3 H311  3.1/3/Inhal Acute Tox. 3 H331
16 ppm	phenol; carbohic acid	Index number: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7	 3.5/2 Muta. 2 H341  3.9/2 STOT RE 2 H373  3.2/1B Skin Corr. 1B H314  3.1/3/Oral Acute Tox. 3 H301  3.1/3/Dermal Acute Tox. 3 H311  3.1/3/Inhal Acute Tox. 3 H331

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.



Wash thoroughly the body (shower or bath).

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Not induce vomiting to avoid foaming which could reach the airway and cause choking.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Allergic reactions. If brought into contact with the skin, the product may cause sensitisation of the skin.

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

This material will not burn until the water has evaporated. Residue can burn. Upon burning, the dry product generates dense black smoke.

When heated (decomposition) or in case of fire may liberate carbon oxides, gases and vapors which are dangerous to health.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.



In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand
Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Protect from freezing. Sensitive to cold from +5 ° C. Stored at temperatures between +5°C and +35°C.

Keep away from food, drink and feed.

Material may develop bacteria odor on long term storage.

Incompatible materials:

None in particular.

See also section 10.

Instructions as regards storage premises:

Adequately ventilated premises.

Flash point: Not Relevant

7.3. Specific end use(s)

Recommendations related to particular uses need to be assessed case by case. Depending on the type of use, technology and manufacturing cycle.

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanediol; ethylene glycol - CAS: 107-21-1

OEL - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: (IT)

EU - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: Skin

ACGIH - STEL: Ceiling 100 mg/m³ - Notes: (H), A4 - URT and eye irr

phenol; carbolic acid - CAS: 108-95-2

TRGS 900 - TWA: 8 mg/m³

EU - TWA(8h): 8 mg/m³, 2 ppm - STEL: 16 mg/m³, 4 ppm - Notes: Skin

ACGIH - TWA(8h): 5 ppm - Notes: Skin, A4, BEI - URT irr, lung dam, CNS impair

Information on monitoring procedures recommended, according to agreed standards ref.:

- EN 482:2012+A1:2015 Titolo: Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.



- EN 689:1995 Titolo: Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.

DNEL Exposure Limit Values

ethanediol; ethylene glycol - CAS: 107-21-1

Worker Industry: 35 mg/m³ - Consumer: 7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 106 mg/kg - Consumer: 53 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

phenol; carbolic acid - CAS: 108-95-2

Worker Industry: 16 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 1.23 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Derived No Effect Level (DNEL), where indicated in SDS, it is a safe level of exposure derived from toxicological data in accordance with the REACH Regulation. DNEL may differ from an occupational exposure limit (OEL). The OEL may be recommended by a single company, a organization of state control or expert organization such as eg. ACGIH. The OEL DNEL are obtained by a different procedure.

PNEC Exposure Limit Values

ethanediol; ethylene glycol - CAS: 107-21-1

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Water: intermittent release - Value: 10 mg/l

Target: Freshwater sediments - Value: 20.9 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. Butyl rubber.

Protective gloves (EN 374): in case risk of skin contact with the product, the use of protective gloves checked according to EN 374, is considered sufficient protection. Protective gloves should be tested before use to verify their suitability with respect to the specific needs of the workplace (eg mechanical stability, chemical compatibility and antistatic properties). Follow the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn.

Protection depends on factors such as: nature of the product, temperature of use, glove thickness and immersion time.

Respiratory protection:

Not needed for normal use.

Recommended in case of insufficient containment of potential pollutants in the air with the use of engineering methods in use.

Ensure good ventilation to maintain air contaminants below exposure limits. Use respiratory protection filters for gas / vapor (Type A / AX brown, ref. Standard EN 141) as a function of the levels of occupational exposure to chemical agents.

Thermal Hazards:



None

Environmental exposure controls:

None

Avoid contact with the skin, eyes and clothing. Avoid inhalation of vapour.

Make sure there are no leaks from containers, lines and equipment users. Prevent spills into public sewers or the immediate environment. Do not empty into drains; dispose of this material and its container at a collection point for hazardous waste and in accordance with local regulations. Do not eat, drink or smoke in areas of handling and processing.

Recommended engineering controls: Always provide good ventilation to maintain air contaminants below exposure limits (it is advisable to work under vacuum system). See also section 7 and section 13.

Refer to applicable national and Community legislation concerning environmental protection, waste water, soil pollution and integrated pollution prevention and control (ex. IPPC). Check whether the activity that uses the product falls within the scope of Directive 96/61/EC (IPPC).

The emissions from ventilation or work process equipment should be checked to ensure compliance with the directives of the binding legislation on environmental protection. In some cases, to reduce emissions, might be needed maintenance or technical plant modifications.

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	White liquid	--	--
Odour:	not significant	--	--
Odour threshold:	N.D. mg/m ³	--	--
pH:	8.5 25°C	--	--
Melting point / freezing point:	> 0°C	--	--
Initial boiling point and boiling range:	100 °C	--	--
Flash point:	Not Relevant	--	--
Evaporation rate:	N.D.	--	--
Solid/gas flammability:		--	--
Upper/lower flammability or explosive limits:	No data (data not available).	--	--
Vapour pressure:	2,34 KPa (20°C) rif. water	--	--
Vapour density:	N.D.	--	--
Relative density:	1	--	--
Solubility in water:	completely miscible	--	--
Solubility in oil:	nd	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	non applicabile	--	--
Decomposition temperature:	N.D.	--	--
Viscosity:	3000 mPa.s (25°C)	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--



9.2. Other information

Properties	Value	Method:	Notes
Miscibility:		--	--
Conductivity:	N.D.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None known.

When heated (decomposition) or in case of fire may liberate carbon oxides, gases and vapors which are dangerous to health.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

ACRILEM 902TM

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

ethanediol; ethylene glycol - CAS: 107-21-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 7712 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 2.5 mg/l

Test: LD50 - Route: Skin - Species: Mouse > 3500 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Positive
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative

f) carcinogenicity:

Test: Carcinogenicity - Species: Rat Negative

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi - CAS: 55965-84-9

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 2.36 mg/l - Duration: 4h - Notes: Inalazione polveri e nebbie

Test: LD50 - Route: Oral - Species: Rat = 457 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 1096 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Corrosive - Route: Skin - Species: Rabbit Positive

c) serious eye damage/irritation:

Test: Eye Corrosive - Route: Inhalation - Species: Rabbit Positive

d) respiratory or skin sensitisation:



- Test: Skin Sensitization - Route: Skin - Species: Guinea pig Yes
Test: Skin Sensitization - Route: Skin - Species: Guinea pig Positive
Test: Respiratory Tract Irritant - Route: Inhalation - Species: Guinea pig Positive
phenol; carbolic acid - CAS: 108-95-2
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 340-540 mg/kg - Notes: OECD 401
Test: LD50 - Route: Skin - Species: Rat = 660 mg/kg - Notes: ratto femmina - OECD 402
- c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Yes - Notes: OECD 405
- d) respiratory or skin sensitisation:
Test: Skin Corrosive - Route: Skin - Species: Guinea pig No - Notes: OECD 406
- e) germ cell mutagenicity:
Test: Genotoxicity - Species: Generic Bacteria Negative - Notes: OECD 471

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met
ethanediol; ethylene glycol - CAS: 107-21-1

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia = 5100 mg/l - Duration h: 48
Endpoint: IC50 - Species: Bacteria > 10000 mg/l - Duration h: 16
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish = 72860 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia = 3.7 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.37 mg/l - Duration h: 72
Endpoint: IC50 - Species: Algae = 0.8 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish = 1.9 mg/l - Duration h: 96 - Notes: Onchorhynchus mykiss
Endpoint: EC50 - Species: Daphnia = 4.4 mg/l - Duration h: 48 - Notes: Daphnia magna

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia = 1.4 mg/l - Duration h: 48 - Notes: Daphnia Magna
Endpoint: EC50 - Species: Algae = 0.4 mg/l - Duration h: 72
Endpoint: IC50 - Species: Algae = 0.11 mg/l - Duration h: 72 - Notes: Scenedesmus Subspicatus
Endpoint: LC50 - Species: Fish = 8.6 mg/l - Duration h: 96 - Notes: Danio Rerio
Endpoint: LC50 - Species: Fish = 41.2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Bacteria > 50 mg/l
Endpoint: LC50 - Species: Fish = 36.1 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: EC50 - Species: Algae > 0.4 mg/l - Duration h: 72 - Notes: Alga



reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi - CAS: 55965-84-9

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48 - Notes: Dafnia magna
- Endpoint: IC50 - Species: Algae = 0.018 mg/l - Duration h: 72 - Notes: Selenastrum Capricornutum
- Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96 - Notes: Oncorhynchus Mykiss
- Endpoint: EC50 - Species: Algae = 0.048 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
- Endpoint: EC50 - Species: Algae = 0.027 mg/l - Duration h: 72 - Notes: Scenedesmus capricornutum
- Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96 - Notes: Trota arcobaleno
- Endpoint: EC50 - Species: Algae = 3.23 mg/l - Duration h: 72
- Endpoint: EC50 - Species: Daphnia = 6.67 mg/l - Duration h: 48
- Endpoint: EC50 - Species: Fish = 14.6 mg/l - Duration h: 96

phenol; carboic acid - CAS: 108-95-2

a) Aquatic acute toxicity:

- Endpoint: LC50 - Species: Fish = 8.9 mg/l - Duration h: 96 - Notes: oncorhynchus mykiss (Trota iridea)
- Endpoint: EC50 - Species: Daphnia = 3.1 mg/l - Duration h: 48 - Notes: ceriodaphnia dubia (pulca d'acqua)
- Endpoint: EC50 - Species: Algae = 61.1 mg/l - Duration h: 96 - Notes: pseudokirchneriella subcapitata
- Endpoint: IC50 - Species: Bacteria = 21 mg/l - Duration h: 24

12.2. Persistence and degradability

Biodegradability: This property is specific for substance and can not be indicated for mixtures.

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Biodegradability: Latex. BOD 20 for experimental latexes is below the detection limits of the strument. This product has no significant ecological problem for water / soil. Ecotox: low toxicity to fish LC50 > 100 mg / l, 96h. - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

Biodegradability: Non-readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

ethanediol; ethylene glycol - CAS: 107-21-1

Biodegradability: Readily biodegradable - Test: Dissolved organic carbon - Duration h: 5d - %: 100 - Notes: N.A.

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi - CAS: 55965-84-9

Biodegradability: Readily biodegradable - Test: Oxygen consumption - Duration h: N.A. - %: N.A. - Notes: > 60% OECD Guideline 301 D (Closed Bottle Test)

phenol; carboic acid - CAS: 108-95-2

Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

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Bioaccumulation: Latex dispersions: No bioconcentration of the polymeric component is expected because of its high molecular weight. Latex dispersions will color water a milky white. - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

ethanediol; ethylene glycol - CAS: 107-21-1

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient -1.36 - Duration h: N.A. -



Notes: ECHA

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: Irrilevante potenz. di bioaccumulaz. sds rev.19/12/13 E&V

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 1.3 - Duration h: N.A. - Notes: N.A.

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol - CAS: 52-51-7

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: Dichiarazione da sds

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient N.A. - Duration h: N.A. - Notes: - 0.64 valore da sds 29/01/2015

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothi - CAS: 55965-84-9

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 3.6 - Duration h: N.A. - Notes: Calcolato

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient N.A. - Duration h: N.A. - Notes: -071; +0,75 (non definito) OECD 107 cfr. MSDS manufacturer

12.4. Mobility in soil

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Mobility in soil: Mobile - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

For disposal within the EU use its waste number (code), identified in the EU. Obligation to the waste producer, the identification of the CER code.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

Flash point: Not Relevant



14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 46

Restriction 46a

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

Poly(oxy-1,2-ethanediyl) a-[(1,1,3,3-tetramethylbutyl)phenyl]-w-hydroxy-SVHC

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H412 Harmful to aquatic life with long lasting effects.

H302 Harmful if swallowed.

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



H330 Fatal if inhaled.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H335 May cause respiratory irritation.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H341 Suspected of causing genetic defects.

Hazard class and hazard category	Code	Description
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
SECTION 6: Accidental release measures
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information



SECTION 15: Regulatory information

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Sens. 1, H317	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
ICSC - International Chemical Safety Cards (WHO/IPCS/ILO)

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

PNEC: Predicted No Effect Concentration.

STP: STP Sewage treatment plant

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWA: Time-weighted average

WGK: German Water Hazard Class.