

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: RC510

Product No.: 000001014821

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

Identified uses: Washout storage gum

Uses advised against: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Agfa Graphics NV
Septestraat 27
2640 Mortsel
Belgium

Telephone: +32 3 4442111

Fax: +32 3 4447094

E-mail: electronic.sds@agfa.com

National Supplier

Agfa-Gevaert Ltd.
Vantage West
Great West Road
Brentford, Middlesex TW8 9AX
United Kingdom

Telephone: +44 (0)20 8 231 4616

Fax: +44 (0)20 8 231 4951

E-mail: electronic.sds@agfa.com

1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements

Contains:

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1)



Signal Words:

Danger

Hazard Statement(s):

H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapors/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.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor/...
 P363: Wash contaminated clothing before reuse.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information:

No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Benzenesulfo nic acid, decyl(sulfophe noxy)-,	3 - <5%	36445-71-3	253-040-8	No data available.	No data available.	

disodium salt						
1,3-benzenedisulphonic acid disodium salt	1 - <5%	831-59-4	212-606-4	No data available.	No data available.	
2-Bromo-2-nitropropane-1,3-diol	0.01 - <1%	52-51-7	200-143-0	No data available.	10	
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	0.0015 - <0.06%	55965-84-9		No data available.	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	Eye Dam.: 1: H318 Aquatic Chronic: 2: H411	
1,3-benzenedisulphonic acid disodium salt	Eye Irrit.: 2: H319	
2-Bromo-2-nitropropane-1,3-diol	Acute Tox.: 4: H312 Eye Dam.: 1: H318 STOT SE: 3: H335 Acute Tox.: 4: H302 Skin Irrit.: 2: H315 Aquatic Acute: 1: H400	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	Skin Corr.: 1B: H314 Aquatic Acute: 1: H400 Skin Sens.: 1: H317 Acute Tox.: 3: H331 Acute Tox.: 3: H311 Acute Tox.: 3: H301 Aquatic Chronic: 1: H410	No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation:** Move to fresh air.
- Eye contact:** Rinse immediately with plenty of water.
- Skin Contact:** Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
- Ingestion:** Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: See section 11 of the SDS for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

- Hazards:** No data available.
- Treatment:** Symptoms may be delayed.

SECTION 5: Firefighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

5.1 Extinguishing media
Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters
Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up:

Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

6.4 Reference to other sections:

For personal protection see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials.

7.3 Specific end use(s):

Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

None.

DNEL-Values

Critical component	type	Route of Exposure		Remarks
Polyglycol	Workers	Inhalation	5.096556 mg/m3	Repeated dose toxicity
	General population	Inhalation	1.2678 mg/m3	Repeated dose toxicity
	General population	Dermal	1.102435 mg/kg	Repeated dose toxicity
	Workers	Dermal	4.470663 mg/kg	Repeated dose toxicity
	General population	Oral	2.20487 mg/kg	Repeated dose toxicity
2-Bromo-2-nitropropane-1,3-diol	General population	Inhalation	1.3 mg/m3	Acute toxicity
	General population	Inhalation	1.3 mg/m3	Acute toxicity
	General population	Dermal	8 µg/cm2	Skin irritation/corrosion
	Workers	Inhalation	4.2 mg/m3	Skin irritation/corrosion
	General population	Oral	1.1 mg/kg	Repeated dose toxicity
	General population	Inhalation	1.2 mg/m3	Repeated dose toxicity
	Workers	Dermal	13 µg/cm2	Repeated dose toxicity
	General population	Dermal	8 µg/cm2	Repeated dose toxicity
	General population	Inhalation	3.7 mg/m3	
	Workers	Dermal	7 mg/kg	Repeated dose toxicity
	General population	Dermal	1.4 mg/kg	Repeated dose toxicity
	General population	Oral	0.35 mg/kg	Repeated dose toxicity
	Workers	Inhalation	4.2 mg/m3	Acute toxicity
	General population	Dermal	4.2 mg/kg	
	Workers	Inhalation	4.1 mg/m3	Repeated dose toxicity
Workers	Dermal	2.3 mg/kg	Repeated dose toxicity	
Workers	Inhalation	12.3 mg/m3	Acute toxicity	
Workers	Dermal	13 µg/cm2	Repeated dose toxicity	

PNEC-Values

Critical component	Environmental compartment		Remarks
sodium citrate	Sewage treatment plant	1000 mg/l	
	Aquatic (marine water)	0.044 mg/l	
	freshwater sediment	34.6 mg/kg	
	Aquatic (freshwater)	0.44 mg/l	
	Marine sediments	3.46 mg/kg	
	soil	33.1 mg/kg	
	Polyglycol	Sewage treatment plant	72.92 mg/l
Aquatic (marine water)		0.0188 mg/l	
Marine sediments		188 mg/kg	
freshwater sediment		188 mg/kg	
soil		52.264 mg/kg	
Aquatic (freshwater)		0.188 mg/l	
Aquatic (intermit. releases)		1.88 mg/l	
2-Bromo-2-nitropropane-1,3-diol	Aquatic (intermit. releases)	0.0025 mg/l	
	freshwater sediment	0.041 mg/kg	
	soil	0.5 mg/kg	
	Marine sediments	0.00328 mg/kg	
	Sewage treatment plant	0.43 mg/l	
	Aquatic (freshwater)	0.01 mg/l	
	Aquatic (marine water)	0.0008 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls: Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow training instructions when handling this material.

Eye/face protection: Safety goggles. EN 166.

Skin protection

Hand Protection:	Protective gloves should be used if there is a risk of direct contact or splash.(EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber. Glove thickness: > 0.70 mm Break-through time: > 480 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.\20 The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Other:	Safety clothes : long sleeved clothing EN13688
Respiratory Protection:	In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.
Hygiene measures:	Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. Observe good industrial hygiene practices.
Environmental Controls:	Do not empty into drains.

SECTION 9: Physical and chemical properties
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9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Brownish
Odor:	Nearly odorless
Odor Threshold:	No data available.
pH:	7.5
Freezing point:	< 0 °C
Boiling Point:	> 10 °C
Flash Point:	> 93.33 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	not auto-flammable
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	23 hPa (20 °C)
Vapor density (air=1):	aqueous solution
Relative density:	1.042 (20 °C)
Solubility(ies)	
Solubility in Water:	Miscible with water.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity:** Material is stable under normal conditions.
- 10.2 Chemical Stability:** Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** No data available.
- 10.4 Conditions to avoid:** Avoid contact with strong acids, strong alkalis and strong oxidizing agents. Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products. Avoid heat or contamination.
- 10.5 Incompatible Materials:** Strong acids. Strong oxidizing agents. Strong alkalis.
- 10.6 Hazardous Decomposition Products:** By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

Information on likely routes of exposure

- Inhalation:** Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.
- Skin Contact:** May cause an allergic skin reaction.
- Eye contact:** Eye contact is possible and should be avoided. Causes serious eye damage. Eye contact is possible and should be avoided.

11.1 Information on toxicological effects

Acute toxicity

Oral

- Product:** Not classified for acute toxicity based on available data.

Specified substance(s)

- Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt No data available.
- 1,3-benzenedisulphonic acid disodium salt LD50 (rat): > 5,000 mg/kg
- 2-Bromo-2-nitropropane-1,3-diol LD 50 (Rat): 305 mg/kg
- mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-

239-6] (3:1)

Dermal**Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt

1,3-

benzenedisulphonic
acid disodium salt

2-Bromo-2- LD 50 (Rat): > 2,000 mg/kg

nitropropane-1,3-diol

mixture of: 5-chloro-2- No data available.

methyl-4-isothiazolin-3-

one [EC no.247- 500-7]

and 2-methyl-2H-isothi-

azolin-3-one [EC no.

220-239-6] (3:1)

Inhalation**Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt1,3-benzenedisulphonic
acid disodium salt

2-Bromo-2-nitropropane- LC 50 (Rat, 6 h): > 5 mg/l

1,3-diol

mixture of: 5-chloro-2- No data available.

methyl-4-isothiazolin-3-

one [EC no.247- 500-7]

and 2-methyl-2H-isothi-

azolin-3-one [EC no. 220-

239-6] (3:1)

Repeated dose toxicity**Product:** No data available.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt1,3-benzenedisulphonic
acid disodium salt

2-Bromo-2-nitropropane- LOAEL (Rat(Female, Male), Oral, 13 Weeks): 20 mg/kg

1,3-diol

mixture of: 5-chloro-2- No data available.

methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)

Skin Corrosion/Irritation:

Product: May cause allergy. May cause hypersensitivity.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	Irritating
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Serious Eye Damage/Eye Irritation:

Product: Risk of serious damage to eyes.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	Irritating
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
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1,3-benzenedisulphonic acid disodium salt	No data available.
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	Causes sensitization.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

In vivo

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	Based on available data, the classification criteria are not met.
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No information available.
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available.
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

SECTION 12: Ecological information

General information: Contains a substance which causes risk of hazardous effects to the environment.

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Chronic Toxicity**Fish**

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt	No data available.
1,3-benzenedisulphonic acid disodium salt	No data available.
2-Bromo-2-nitropropane-1,3-diol	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1)	No data available.

Aquatic Invertebrates**Product:** No data available.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt No data available.1,3-benzenedisulphonic
acid disodium salt No data available.2-Bromo-2-nitropropane-
1,3-diol No data available.mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC no.247- 500-7]
and 2-methyl-2H-isothi-
azolin-3-one [EC no. 220-
239-6] (3:1) No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt No data available.1,3-benzenedisulphonic
acid disodium salt No data available2-Bromo-2-nitropropane-
1,3-diol No data available.mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC no.247- 500-7]
and 2-methyl-2H-isothi-
azolin-3-one [EC no. 220-
239-6] (3:1) No data available.**12.2 Persistence and Degradability****Biodegradation****Product:** No data available.**Specified substance(s)**Benzenesulfonic acid,
decyl(sulfophenoxy)-,
disodium salt No data available.1,3-benzenedisulphonic
acid disodium salt No data available2-Bromo-2-nitropropane-
1,3-diol No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1) No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt No data available.
 1,3-benzenedisulphonic acid disodium salt No data available.
 2-Bromo-2-nitropropane-1,3-diol No data available.
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1) No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt No data available.
 1,3-benzenedisulphonic acid disodium salt No data available
 2-Bromo-2-nitropropane-1,3-diol No data available.
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1) No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt No data available.
 1,3-benzenedisulphonic acid disodium salt No data available

2-Bromo-2-nitropropane-1,3-diol No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1) No data available.

12.5 Results of PBT and vPvB assessment:

Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria
 No data available.

1,3-benzenedisulphonic acid disodium salt No data available.

2-Bromo-2-nitropropane-1,3-diol No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1) No data available.

12.6 Other Adverse Effects: Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Disposal considerations (including disposal of contaminated containers or packaging)\20 Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

SECTION 14: Transport information

ADR

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es) Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

RID

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es) Not regulated.

- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

IMDG

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es): Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

IATA

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es): Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
 none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:
 none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso II): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
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2-Bromo-2-nitropropane-1,3-diol	52-51-7	0 - <0.1%
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1)	55965-84-9	0 - <0.1%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:
 none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
2-Bromo-2-nitropropane-1,3-diol	52-51-7	0 - <0.1%
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1)	55965-84-9	0 - <0.1%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant.Not relevant.

Key literature references and sources for data: Safety Data Sheet from the supplier.
 ECHA

Wording of the H-statements in section 2 and 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Eye Dam. 1, H318
 Skin Sens. 1, H317
 Aquatic Chronic 3, H412

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Disclaimer:

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.