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

1.1 Product identifier

Product name ALL CLEAR EXTRA

Other means of identification

Product code 50000459

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

Use of the Sub- : Cleaner for spraying equipment

stance/Mixture

Recommended restrictions

on use

Use as recommended by the label.

1.3 Details of the supplier of the safety data sheet

Supplier Address FMC Agro Limited

Rectors Lane, Pentre

Flintshire CH5 2DH United Kingdom

Telephone: + 44 1244 537370 E-mail address: SDS-Info@fmc.com .

1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call: England and Wales: 44-870-8200418 (CHEMTREC)

Medical emergency: England and Wales: 111 Scotland: 84 54 24 2424

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin irritation, Category 2 H315: Causes skin irritation.

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Eye irritation, Category 2 H319: Causes serious eye irritation.

Long-term (chronic) aquatic hazard, Cat-

egory 3

H412: Harmful to aquatic life with long lasting ef-

fects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling. P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protec-

tion/face protection.

Response:

P362 + P364 Take off contaminated clothing and wash it

before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

Disposal:

P501 Dispose of contents/container as hazardous waste in

accordance with local regulations.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)	
Benzenesulfonic acid, mono-C10-13-	85480-55-3	Acute Tox. 4; H302	>= 10 - < 20	
alkyl derivs., compds. with ethanola-	287-335-8	Skin Irrit. 2; H315		
mine		Eye Dam. 1; H318		
		Aquatic Chronic 3; H412		
tetrasodium (1-	3794-83-0	Eye Irrit. 2; H319	>= 3 - < 5	
hydroxyethylidene)bisphosphonate	223-267-7			
Alcohols, C12-15, ethoxylated	68131-39-5 500-195-7	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 3	
Substances with a workplace exposure limit :				
(2-methoxymethylethoxy)propanol	34590-94-8		>= 1 - < 3	
	252-104-2			

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

Protection of first-aiders : First Aid responders should pay attention to self-protection

and use the recommended protective clothing

Avoid inhalation, ingestion and contact with skin and eyes. If potential for exposure exists refer to Section 8 for specific

personal protective equipment.

If inhaled : Remove to fresh air.

If unconscious, place in recovery position and seek medical

advice.

If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambu-

lance.

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In case of skin contact : If on clothes, remove clothes.

If on skin, rinse well with water.

Wash off with soap and plenty of water.

Get medical attention immediately if irritation develops and

persists.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Do not induce vomiting without medical advice.

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : ABC powder

Dry chemical, CO2, water spray or regular foam.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Unsuitable extinguishing

media

Do not spread spilled material with high-pressure water

streams.

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod: :

ucts

Fire may produce irritating, corrosive and/or toxic gases.

Carbon oxides

5.3 Advice for firefighters

Special protective equipment :

for firefighters

Firefighters should wear protective clothing and self-contained

breathing apparatus.

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Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Keep people away from and upwind of spill/leak.

Remove all sources of ignition.

Immediately evacuate personnel to safe areas.

Ensure adequate ventilation.

If it can be safely done, stop the leak.

Do not touch or walk through the spilled material. Never return spills in original containers for re-use.

Mark the contaminated area with signs and prevent access to

unauthorized personnel.

Only qualified personnel equipped with suitable protective

equipment may intervene.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible ab-

sorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapours/dust.

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Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Advice on protection against

fire and explosion

Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of

ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing and gloves, including

the inside, before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No smoking. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological

safety standards.

Storage period : 24 Months

Recommended storage tem-

perature

> 2 - < 40 °C

Further information on stor-

age stability

: No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaner for spraying equipment

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
(2- methoxymeth- ylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin. Indicative			

Derived No Effect Level (DNEL)

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Substance name	End Use	Exposure routes	Potential health ef-	Value
			fects	

Predicted No Effect Concentration (PNEC)

Substance name	Environmental Compartment	Value
Benzenesulfonic acid, mono- C10-13-alkyl derivs., compds. with ethanolamine	Fresh water	0.268 mg/l
	Marine water	0.027 mg/l
	Fresh water sediment	8.1 mg/kg
	Marine sediment	8.1 mg/kg
	Soil	35 mg/kg
tetrasodium (1- hydroxyethyli- dene)bisphosphonate	Fresh water	0.096 mg/l
, , ,	Marine water	0.01 mg/l
	Fresh water sediment	193 mg/kg dry weight (d.w.)
	Marine sediment	19.3 mg/kg dry weight (d.w.)
	Soil	14 mg/kg dry weight (d.w.)
	Oral	5.3 mg/kg dry weight (d.w.)
	Sewage treatment plant	58 mg/l
Alcohols, C12-15, ethoxylated	Fresh water	0.051 mg/l
	Intermittent use/release	0.001 mg/l
	Marine water	0.005 mg/l
	Intermittent use/release	0 mg/l
	Sewage treatment plant	10 g/l
	Fresh water sediment	81.64 mg/kg dry weight (d.w.)
	Marine sediment	8.16 mg/kg dry weight (d.w.)
	Soil	1 mg/kg dry weight (d.w.)
(2- methoxymethylethoxy)propanol	Fresh water	19 mg/l
	Marine water	1.9 mg/l
	Fresh water sediment	70.2 mg/kg dry weight (d.w.)
	Marine sediment	7.02 mg/kg dry weight (d.w.)
	Soil	2.74 mg/kg dry weight (d.w.)
	Intermittent use (freshwater)	190 mg/l
	Sewage treatment plant	4168 mg/l

8.2 Exposure controls

Personal protective equipment

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Eye/face protection Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

Material Wear chemical resistant gloves, such as barrier laminate,

butyl rubber or nitrile rubber.

Remarks The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Skin and body protection Impervious clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

In case of mist, spray or aerosol exposure wear suitable per-Respiratory protection

sonal respiratory protection and protective suit.

Protective measures Plan first aid action before beginning work with this product.

Always have on hand a first-aid kit, together with proper in-

structions.

Wear suitable protective equipment. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid Colour yellow Odour

characteristic Odour Threshold not determined : 10.75 - 11.5 рΗ

Concentration: 1 %

Melting point/freezing point

Boiling point/boiling range

No data available

No data available

Flash point > 60 °C

Non-flammable

Evaporation rate Upper explosion limit / Upper

No data available

flammability limit

not determined

Lower explosion limit / Lower

not determined

flammability limit

Relative vapour density No data available Relative density ca. 1.03 - 1.05 (20 °C)

Density 1,030 - 1,050 kg/m3 (20 °C)

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Solubility(ies)

Water solubility : No data available Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: Not available for this mixture.

Decomposition temperature

Decomposition temp

No data available

Viscosity

Viscosity, dynamic

No data available

Viscosity, kinematic

No data available

Explosive properties

.

No data available

Oxidizing properties

: No data available

9.2 Other information

Flammability (liquids)

: Not classified as a flammability hazard

Particle size

Not applicable

Self-ignition

: Not available for this mixture.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

10.6 Hazardous decomposition products

Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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Product:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: Calculation method

Remarks: Based on available data, the classification criteria

are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria

are not met.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Acute oral toxicity : LD50 (Rat, male and female): 1,570 mg/kg

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: OECD Test Guideline 402

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Acute oral toxicity : LD50 (Rat, male and female): 2,850 mg/kg

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg

Alcohols, C12-15, ethoxylated:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg

Method: Expert judgement

Acute inhalation toxicity : LC50 (Rat, male and female): > 1.6 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Remarks: Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Acute oral toxicity : LD50 Oral (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 401

Remarks: no mortality

Acute inhalation toxicity : LC0 (Rat, male and female): > 275 ppm

Exposure time: 7 h
Test atmosphere: vapour
Remarks: no mortality

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Acute dermal toxicity : LD50 Dermal (Rabbit, male): 10 ml/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Assessment : Irritating to skin.
Result : Inflammation

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Species : Rabbit

Method : OECD Test Guideline 404

Result : irritating

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

Alcohols, C12-15, ethoxylated:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

Remarks : Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Species : Human

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Species : Bovine cornea
Assessment : Irritating to eyes.
Result : Eye irritation

Remarks : (Data on the product itself)

Study conducted in February 2013 by Harlan Laboratories, study number 41300559. Product does not meet the classifi-

cation criteria as "Eye Damage Category 1" (H318).

Product classified as "Eye Irritant Category 2" (H319) based

on study results.

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Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Species : Rabbit

Result : Irreversible effects on the eye

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Species : Rabbit

Method : OECD Test Guideline 405

Result : Irritation to eyes, reversing within 21 days

Alcohols, C12-15, ethoxylated:

Result : Irreversible effects on the eye

(2-methoxymethylethoxy)propanol:

Species : Human

Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Product:

Assessment : Not a skin sensitizer.

Remarks : Based on available data, the classification criteria are not met.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Test Type : Maximisation Test

Species : Guinea pig

Method : OECD Test Guideline 406
Result : Not a skin sensitizer.

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Test Type : Maximisation Test

Species : Guinea pig

Result : Does not cause skin sensitisation.
Remarks : Based on data from similar materials

Alcohols, C12-15, ethoxylated:

Test Type : Maximisation Test Exposure routes : Intradermal

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Species : Guinea pig

Method : OECD Test Guideline 406 Result : Not a skin sensitizer.

Remarks : Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Species : Humans

Result : Does not cause skin sensitisation.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Genotoxicity in vitro : Test Type: reverse mutation assay

Method: Regulation (EC) No. 440/2008, Annex, B.13/14

(Ames test) Result: negative

Genotoxicity in vivo : Test Type: chromosome aberration assay

Species: Mouse (male)
Application Route: Ingestion

Result: negative

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Genotoxicity in vitro : Test Type: Micronucleus test

Method: OECD Test Guideline 487

Result: negative

Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test

Method: OECD Test Guideline 476

Result: negative

Remarks: Based on data from similar materials

Test Type: reverse mutation assay

Method: Mutagenicity (Salmonella typhimurium - reverse mu-

tation assay) Result: negative

Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Rodent Dominant Lethal Assay

Species: Mouse (male) Application Route: Oral Result: negative

Remarks: Based on data from similar materials

Germ cell mutagenicity- As-

sessment

Weight of evidence does not support classification as a germ

cell mutagen.

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Alcohols, C12-15, ethoxylated:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Remarks: Based on data from similar materials

Test Type: Ames test

Method: OECD Test Guideline 471

Result: negative

Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Micronucleus test

Species: Mouse (male and female)
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474

Result: negative

Remarks: Based on data from similar materials

Test Type: Bone marrow chromosome aberration

Species: Rat (male and female) Method: OECD Test Guideline 475

Result: negative

Remarks: Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Genotoxicity in vitro : Test Type: reverse mutation assay

Result: negative

Test Type: in vitro assay

Result: negative

Test Type: Chromosome aberration test in vitro

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Result: negative

Remarks: Based on data from similar materials

Germ cell mutagenicity- As-

sessment

Weight of evidence does not support classification as a germ

cell mutagen.

Carcinogenicity

Based on available data, the classification criteria are not met.

Components:

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Species : Rat, male Application Route : Oral

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Dose : 19, 78, 384 mg/kg bw/day NOAEL : >= 384 mg/kg bw/day

Result : negative

Remarks : Based on data from similar materials

Carcinogenicity - Assess- : Weight of evidence does not support classification as a car-

ment cinogen

(2-methoxymethylethoxy)propanol:

Species : Rat, male and female Application Route : inhalation (vapour)

Exposure time : 2 years

Dose : 300, 1000, 3000ppm

300 ppm

Method : OECD Test Guideline 453

Result : negative

Remarks : Based on data from similar materials

Carcinogenicity - Assess-

ment

Weight of evidence does not support classification as a car-

cinogen

Reproductive toxicity

Based on available data, the classification criteria are not met.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Effects on fertility : Test Type: Two-generation study

Species: Rat, male and female

Application Route: Oral

Method: OECD Test Guideline 416

Result: negative

Effects on foetal develop-

ment

Test Type: reproductive and developmental toxicity study

Species: Rat

Application Route: Oral

Result: positive

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Effects on fertility : Test Type: Two-generation study

Species: Rat, female Application Route: Oral Dose: 0, 112, 447 mg/kg bw/d

General Toxicity - Parent: LOAEL: 447 mg/kg bw/day General Toxicity F1: LOAEL: 447 mg/kg bw/day Remarks: Based on data from similar materials

Effects on foetal develop-

ment

Test Type: Two-generation study

Species: Rat

Application Route: Oral

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Dose: 0, 112, 447 mg/kg bw/d

General Toxicity Maternal: LOAEL: 447 mg/kg bw/day Embryo-foetal toxicity: NOAEL: 447 mg/kg bw/day

Result: negative

Remarks: Based on data from similar materials

Alcohols, C12-15, ethoxylated:

Effects on fertility : Test Type: Two-generation study

Species: Rat, male and female Application Route: Dermal

General Toxicity - Parent: NOAEL: 250 mg/kg body weight Fertility: NOAEC Mating/Fertility: 250 mg/kg body weight

Method: OECD Test Guideline 416

Result: negative

Remarks: Based on data from similar materials

Effects on foetal develop-

ment

Test Type: reproductive and developmental toxicity study

Species: Rat

Application Route: Dermal

General Toxicity Maternal: NOEL: 100 mg/kg body weight Embryo-foetal toxicity: NOAEL: > 250 mg/kg body weight

Method: OECD Test Guideline 416

Result: negative

Remarks: Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Effects on fertility : Test Type: Two-generation study

Species: Rat, male and female Application Route: Inhalation Dose: 300, 1000, 3000ppm

General Toxicity - Parent: NOAEL: 300 General Toxicity F1: NOAEL: 1,000 General Toxicity F2: NOAEL: 1,000 Method: OECD Test Guideline 416

Result: negative

Remarks: Based on data from similar materials

Effects on foetal develop-

ment

Test Type: Developmental Toxicity Screening Test

Species: Rat

Application Route: Inhalation

Dose: 0, 50, 150, 300 parts per million

General Toxicity Maternal: LOAEL: >= 300 part per million

Teratogenicity: LOAEL: >= 300 part per million

Result: negative

Reproductive toxicity - As-

sessment

Weight of evidence does not support classification for repro-

ductive toxicity

STOT - single exposure

Based on available data, the classification criteria are not met.

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Components:

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Components:

(2-methoxymethylethoxy)propanol:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Species : Rat, male and female

NOAEL : 300 mg/kg Application Route : Oral - feed Exposure time : >75 d

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Species : Rat, male and female NOAEL : 41 mg/kg bw/day LOAEL : 169 mg/kg bw/day

Application Route : Oral - feed Exposure time : 90 d

Dose : 41, 169, 817 mg/kg bw/day Method : OECD Test Guideline 408

Remarks : Based on data from similar materials

Alcohols, C12-15, ethoxylated:

Species : Rat, male and female

NOAEL : 500 mg/kg Application Route : Oral Exposure time : 90d

Method : OECD Test Guideline 408

Remarks : Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Species : Rat, male and female

NOAEL : 200 mg/kg Application Route : Oral Exposure time : 4 weeks

Dose : 40, 200, 1000mg/kg

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Species Rat, male and female

NOAEL 200 ppm

Application Route inhalation (vapour)

Exposure time 13 weeks 15, 50, 200 ppm Dose

Species Rabbit, male

NOAEL 2850 mg/kg bw/day

Application Route Dermal Exposure time 90d

Dose 1, 3, 5, 10 ml/kg

Remarks mortality

Aspiration toxicity

Based on available data, the classification criteria are not met.

Experience with human exposure

Product:

Target Organs: Respiratory system Inhalation

Symptoms: Irritation

Ingestion Target Organs: Gastrointestinal tract

Symptoms: Irritation, Nausea

Further information

Product:

Remarks No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish Remarks: No data is available on the product itself.

aquatic invertebrates

Toxicity to daphnia and other : Remarks: No data is available on the product itself.

Toxicity to algae/aquatic

plants

: Remarks: No data is available on the product itself.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Toxicity to fish LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.67 mg/l

Exposure time: 96 h

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Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 2.9 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l

Exposure time: 96 h

Toxicity to fish (Chronic tox-

icity)

NOEC: 0.63 mg/l Exposure time: 196 d

Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

EC50: 1.7 mg/l Exposure time: 24 d

Species: Hyalella azteca (Amphipod) Method: OECD Test Guideline 211

Toxicity to soil dwelling or-

ganisms

NOEC: 250 mg/kg Exposure time: 14 d

Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 195 mg/l

Exposure time: 96 h

Test Type: flow-through test

Remarks: Based on data from similar materials

LC50 (Cyprinodon variegatus (sheepshead minnow)): 2,180

mg/l

Exposure time: 96 h Test Type: static test

Remarks: Based on data from similar materials

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 527 mg/l

Exposure time: 48 h Test Type: static test

Remarks: Based on data from similar materials

LC50 (Palaeomonetes vulgaris (Grass shrimp)): 1,770 mg/l

Exposure time: 96 h Test Type: static test

Remarks: Based on data from similar materials

Toxicity to microorganisms : NOEC (activated sludge): 200 mg/l

Exposure time: 11 d

Remarks: Based on data from similar materials

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC: 6.75 mg/l Exposure time: 28 d

Species: Daphnia magna (Water flea)

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Test Type: semi-static test

Remarks: Based on data from similar materials

Toxicity to soil dwelling or-

ganisms

NOEC: 500 mg/kg Exposure time: 28 d

Species: Eisenia fetida (earthworms)

Method: OECD Test Guideline 222

EC50: > 1,000 mg/kg Exposure time: 28 d

Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 222

Plant toxicity : NOEC: >= 960 mg/kg

Exposure time: 14 d

Species: Avena sativa (oats) Method: OECD Test Guideline 208

Toxicity to terrestrial organ-

isms

LC0: > 284 mg/kg

Exposure time: 14 d Species: Anas platyrhynchos (Mallard duck)

Remarks: Information given is based on data obtained from

similar substances.

LC50: > 284 mg/kg Exposure time: 14 d

Species: Colinus virginianus (Bobwhite quail)

Remarks: Information given is based on data obtained from

similar substances.

Alcohols, C12-15, ethoxylated:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 2 mg/l

Exposure time: 96 h

Remarks: Based on data from similar materials

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 2 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Remarks: Based on data from similar materials

Toxicity to algae/aquatic

plants

EC50 (Pseudokirchneriella subcapitata (green algae)): > 2

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

Toxicity to microorganisms : EC50 (Pseudomonas putida): > 10 g/l

Exposure time: 16.9 h

Remarks: Based on data from similar materials

Toxicity to fish (Chronic tox- : NOEC: 0.11 - 0.28 mg/l

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icity) Exposure time: 30 d

Species: Pimephales promelas (fathead minnow) Remarks: Based on data from similar materials

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOEC: 1.75 mg/l End point: Immobilization Exposure time: 21 d

Species: Daphnia magna (Water flea)

Remarks: Based on data from similar materials

NOEC: 0.77 mg/l End point: reproduction Exposure time: 21 d

Species: Daphnia magna (Water flea)

Remarks: Based on data from similar materials

Toxicity to soil dwelling or-

ganisms

LC50: > 1,000 mg/kg

Species: Eisenia fetida (earthworms)

(2-methoxymethylethoxy)propanol:

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 1,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

LC50 (Daphnia magna (Water flea)): 1,919 mg/l

Exposure time: 48 h Test Type: static test

LC50 (Crangon crangon (shrimp)): > 1,000 mg/l

Exposure time: 48 h Test Type: semi-static test

Toxicity to algae/aquatic

plants

NOEC (Pseudokirchneriella subcapitata (green algae)): 969

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): > 969

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to microorganisms : EC10 (Pseudomonas putida): 4,168 mg/l

Exposure time: 18 h
Test Type: Growth inhibition

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOEC: > 0.5 mg/l Exposure time: 22 d

Species: Daphnia magna (Water flea)

Test Type: flow-through test

Remarks: No toxicity at the limit of solubility

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12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data is available on the product itself.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 85 % Exposure time: 29 d

Method: OECD Test Guideline 301B

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Biodegradability : Inoculum: activated sludge, non-adapted

Result: Not readily biodegradable.

Remarks: Based on data from similar materials

Alcohols, C12-15, ethoxylated:

Biodegradability : Result: Readily biodegradable.

Method: OECD Test Guideline 301B

Remarks: Based on data from similar materials

(2-methoxymethylethoxy)propanol:

Biodegradability : Inoculum: activated sludge

Result: Readily biodegradable.
Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data is available on the product itself.

Components:

Benzenesulfonic acid, mono-C10-13-alkyl derivs., compds. with ethanolamine:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)

Bioconcentration factor (BCF): 2 Method: OECD Test Guideline 305E

Partition coefficient: n-

octanol/water

: log Pow: 1.51 (25 °C)

tetrasodium (1-hydroxyethylidene)bisphosphonate:

Bioaccumulation : Species: Cyprinus carpio (Carp)

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Bioconcentration factor (BCF): 71

Remarks: Based on data from similar materials

Partition coefficient: n-

octanol/water

log Pow: -3 (23 °C)

pH: 11.4

Alcohols, C12-15, ethoxylated:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)

Exposure time: 24 d

Bioconcentration factor (BCF): 237

Remarks: Based on data from similar materials

Partition coefficient: n-

octanol/water

log Pow: 4.91 - 6.78 (40 °C)

(2-methoxymethylethoxy)propanol:

Partition coefficient: n-

octanol/water

log Pow: 0.004 (25 °C)

12.4 Mobility in soil

Product:

Distribution among environ-

mental compartments

: Remarks: No data is available on the product itself.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting poten-

tial

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to

REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

Additional ecological infor-

mation

This product has no known ecotoxicological effects.

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Triple rinse containers.

Do not re-use empty containers.

Packaging that is not properly emptied must be disposed of as

the unused product.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.4 Packing group

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ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the fol-

lowing entries should be considered:

Number on list 3

Alcohols, C12-15, ethoxylated

(Number on list 3)

UK REACH Candidate list of substances of very high

concern (SVHC) for Authorisation

Not applicable

The Persistent Organic Pollutants Regulations (retained

Regulation (EU) 2019/1021 as amended for Great Brit-

ain)

Not applicable

Regulation (EU) No 2024/590 on substances that de-

plete the ozone layer

Not applicable

UK REACH List of substances subject to authorisation

(Annex XIV)

Not applicable

Control of Major Accident Hazards Regulations

2015 (COMAH)

Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial and

livestock rearing emissions (integrated pollution prevention

and control)

Volatile organic compounds (VOC) content: 15 %

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Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : On the inventory, or in compliance with the inventory

DSL : This product contains chemical substance(s) exempt from

CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control

product.

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

TECI: Not in compliance with the inventory

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed. H315 : Causes skin irritation.

H318 : Causes serious eye damage. H319 : Causes serious eye irritation.

H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

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Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation Skin Irrit. : Skin irritation

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

2000/39/EC / TWA : Limit Value - eight hours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways: ADR - Agreement concerning the International Carriage of Dangerous Goods by Road: AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information :

Classification of the mixture: Classification procedure:

Skin Irrit. 2 H315 Based on product data or assessment
Eye Irrit. 2 H319 Based on product data or assessment
Aquatic Chronic 3 H412 Based on product data or assessment

Disclaimer

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