

Version: 3.5 Issue Date: 06.03.2019 Last revised date: 24.08.2023 Supersedes Date: 22.12.2022

# SAFETY DATA SHEET

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

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

### 1.1 Product identifier

**Product name:** 

CARBOWET® GA-210

Chemical name:

Blend of ethoxylated alcohols and acetylene diol

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

Identified uses: Industrial use

Uses advised against: None known.

# 1.3 Details of the supplier of the safety data sheet

Company Name : Evonik Operations GmbH

Rellinghauser Str. 1-11

45128 Essen Germany

Telephone : +49 201 173 01 Fax : +49 201 173 3000

E-mail : productsafety-cs@evonik.com

# 1.4 Emergency telephone number:

24-Hour Health : +49 2365 49 2232 Emergency +49 2365 49 4423 (Fax)

National Poison Information Service (NPIS) England, Scotland and Wales: NHS: 111

### **SECTION 2: Hazards identification**

# 2.1 Classification of the substance or mixture

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

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

### **Health Hazards**

Acute toxicity (Oral) Category 4 H302: Harmful if swallowed.

Serious eye damage Category 1 H318: Causes serious eye damage.

Skin sensitizer Category 1 H317: May cause an allergic skin reaction.

### 2.2 Label Elements



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Signal Words: Danger

Hazard Statement(s): H302: Harmful if swallowed.

H318: Causes serious eye damage. H317: May cause an allergic skin reaction.

**Precautionary Statements** 

**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash face, hands and any exposed skin thoroughly after

handling.

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

protection.

Response: P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if

you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

# Hazardous ingredients which must be listed on the label:

Alcohols, C9-11-branched and linear, ethoxylated 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

### 2.3 Other hazards

None known.

# **SECTION 3: Composition/information on ingredients**

### Chemical name:

Blend of ethoxylated alcohols and acetylene diol

# 3.2 Mixtures

Chemical	Concentrati	CAS-No.	EC No.	_		M-Factor:	Notes
name	on			Registration	Registration		
				No.	No.		
Alcohols,	50 - <100%	160901-09-			-	No data	
C9-11-		7				available.	
branched							
and linear,							
ethoxylated							
2,4,7,9-	3 - <5%	126-86-3	204-809-1	UK-01-	01-	No data	
Tetramethy				982540637	211995439	available.	
ldec-5-yne-				0-8	0-39		
4,7-diol							

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

<sup>#</sup> This substance has workplace exposure limit(s).



## This substance is listed as SVHC.

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ClassificationNotesAlcohols, C9-11-branched and linear, ethoxylatedClassification: Acute Tox.: 4: H302; Eye Dam.: 1: H318;None.2,4,7,9-Tetramethyldec-5-yne-4,7-diolClassification: Eye Dam.: 1: H318; Skin Sens.: 1B: H317; Aquatic Chronic: 3: H412;None.

The full text for all H-statements is displayed in section 16.

# **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General information: Immediately remove contaminated clothing.

**Inhalation:** fresh air supply, consult a doctor if feeling unwell.

Skin Contact: In case of contact with skin wash off with soap and water. In case

of discomfort: Supply with medical care.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water

and seek medical advice

**Ingestion:** Thoroughly clean the mouth with water In case of discomfort:

Supply with medical care.

Personal Protection for First-aid

Responders:

No data available.

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

**Symptoms:** Risk of serious damage to eyes.

**Hazards:** No data available.

### 4.3 Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

# SECTION 5: Firefighting measures

# 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** High volume water jet.

### 5.2 Special hazards arising from the

substance or mixture:

In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of

combustion traces of other toxic substances cannot be

excluded



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# 5.3 Advice for firefighters

**Special fire fighting procedures:** No specific precautions.

Special protective equipment for fire-

fighters:

Do not inhale explosion and/or combustion gases. Use selfcontained breathing apparatus and wear protective suit

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective

equipment and emergency procedures:

Use personal protective equipment.

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

**6.2 Environmental Precautions:**Do not allow to enter drains or waterways Prevent product

from getting into subsoil/soil.

6.3 Methods and material for containment and

cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in

accordance with the regulations.

**6.4 Reference to other sections:** For further information on exposure monitoring and disposal

see sections 8 and 13.

# SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Technical measures:**No data available.

**Local/Total ventilation:**No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust

ventilation if necessary). Do not inhale

gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

### 7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated

place.Keep away from direct sunlight. Protect from frost.Do not store with acids or alkalies Do not store together with

oxidizing agents.

Safe packaging materials: No data available.

**7.3 Specific end use(s):**No further recommendations.

### SECTION 8: Exposure controls/personal protection

# 8.1 Control Parameters

# **Occupational Exposure Limits**

None of the components have assigned exposure limits.



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# **Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

### **DNEL-Values**

Remarks: DNEL-Values

Critical component	Туре	Route of Exposure	Health Warnings	Remarks
2,4,7,9-Tetramethyldec-5-yne- 4,7-diol	Workers	Dermal	Systemic, short-term; 1.5 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, short-term; 0.75 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 0.43 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 0.5 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, short-term; 0.75 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, short-term; 1.29 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term; 5.28 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0.25 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 1.76 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.25 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	Medium hazard (no threshold derived)
	Workers	Eyes	Local effect;	Medium hazard (no threshold derived)

### **PNEC-Values**

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
2,4,7,9-Tetramethyldec-5-yne- 4,7-diol	Aquatic (marine water)	0.004 mg/l	
	Soil	0.028 mg/kg	
	Sewage treatment plant	7 mg/l	
	Sediment (freshwater)	0.32 mg/kg	
	Aquatic (freshwater)	0.04 mg/l	
	Sediment (marine water)	0.032 mg/kg	

# 8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

**Eye/face protection:** Tightly fitting safety goggles

Hand Protection: Additional Information: gloves made of chloroprene (CR, e.g.

Neoprene), gloves made of nitril (NBR)

Skin and Body Protection: protective clothing

**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter

apparatus, combination filter A-P2

**Hygiene measures:** Wash hands before breaks and immediately after handling

the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately. Use skin protective preparation as preventive skin protection.



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**Environmental Controls:** The environmental regulations on the control and monitoring

of environmental exposures are to be observed.

# SECTION 9: Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state: liquid
Form: liquid

Color: Pale yellow

Odor: Mild

Odor Threshold:

Freezing point:

Boiling Point:

Flammability:

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:

not measured

not measured

not measured

not measured

Flash Point: > 98 °C

Auto-ignition temperature: not measured

Decomposition Temperature: not measured

**pH:** 7 at 25 °C

Concentration: 100 %

**Viscosity** 

**Dynamic viscosity:** not measured **Kinematic viscosity:** not measured

Solubility(ies)

Solubility in Water: Soluble

Solubility (other): not measured Partition coefficient (n-octanol/water): not measured

**Vapor pressure:** 18.67 hPa at 25 °C

Relative density: not measured

**Density:** 1.005 g/cm3 at 25 °C

Relative vapor density: not measured

9.2 Other information

Explosive properties: not measured

Oxidizing properties: not oxidizing

Self-ignition: not measured

Metal Corrosion: Not corrosive to metals

**Evaporation Rate:** not measured

# **SECTION 10: Stability and reactivity**



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**Product name: CARBOWET® GA-210** 

**10.1 Reactivity:** see section "Possibility of hazardous reactions".

**10.2 Chemical Stability:** The product is stable under normal conditions.

10.3 Possibility of hazardous reactions: No hazardous reactions with proper storage and handling

**10.4 Conditions to avoid:** direct sunlight Freezing.

**10.5** Incompatible Materials: Oxidizing agents. Acids. Alkalies.

**10.6** Hazardous Decomposition None with proper storage and handling.

**Products:** 

# **SECTION 11: Toxicological information**

# 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

# Information on likely routes of exposure

**Inhalation:** Information on effects are given below.

**Skin Contact:** Information on effects are given below.

**Eye contact:** Information on effects are given below.

**Ingestion:** Information on effects are given below.

# Acute toxicity (list all possible routes of exposure)

Oral

**Product:** LD 50, ATEmix, 602 mg/kg

Components:

Alcohols, C9-11- LD 50, Acute toxicity estimate, 500 mg/kg, CESIO

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- LD 50, Rat, Female, Male, > 5,000 mg/kg

yne-4,7-diol

**Dermal** 

**Product:** No data available.

Components:

Alcohols, C9-11- Not toxic after single exposure, No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- LD 50, Rabbit, > 5,000 mg/kg, OECD 402

yne-4,7-diol

Inhalation

**Product:** No data available.

Components:

Alcohols, C9-11- Not toxic after single exposure, Vapour, No data available. Not toxic after single exposure, Dust and mist, No data available.

ethoxylated

2,4,7,9-Tetramethyldec-5- LC 50, Rat, 4 h, > 5 mg/l, Dust and mist

yne-4,7-diol Vapour, Not toxic after single exposure, No data available.

Repeated dose toxicity

**Product:** No data available.

Components:



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Alcohols, C9-11- No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- NOAEL - No Observable Adverse Effect Level, Rat, Oral, daily, 500

yne-4,7-diol mg/kg

Skin Corrosion/Irritation

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- Not irritating, OECD 404, Rabbit, 4 h

yne-4,7-diol

Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Alcohols, C9-11-branched Risk of serious damage to eyes., CESIO

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- Risk of serious damage to eyes., US-EPA-method, Rabbit

yne-4,7-diol

Respiratory or Skin Sensitization

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- Local Lymph Node Assay (LLNA), OECD 429, Mouse, Skin sensitizer

yne-4,7-diol

Carcinogenicity

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

**Germ Cell Mutagenicity** 

No data available.

In vitro

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- Ames test, OECD 471: , negative, Own study

yne-4,7-diol Chromosomal aberration, OECD 473: , negative, Own study

gene mutation test, OECD 476: , negative, Own study

In vivo

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

Reproductive toxicity

**Product:** No data available.

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# Components:

Alcohols, C9-11-branched No data available. and linear, ethoxylated 2,4,7,9-Tetramethyldec-5- Oral yne-4,7-diol

# Specific Target Organ Toxicity - Single Exposure Product: No data available.

# Components:

Alcohols, C9-11-branched No data available. and linear, ethoxylated 2,4,7,9-Tetramethyldec-5- No data available. yne-4,7-diol

# **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

### Components:

Alcohols, C9-11-branched No data available. and linear, ethoxylated 2,4,7,9-Tetramethyldec-5- No data available. yne-4,7-diol

### **Aspiration Hazard**

Product: Not classified

### Components:

Alcohols, C9-11-branched Not classified and linear, ethoxylated 2,4,7,9-Tetramethyldec-5- Not applicable yne-4,7-diol

### 11.2 Information on other hazards

### Other information

**Product:** No data available.

# **SECTION 12: Ecological information**

### 12.1 Toxicity:

### Acute hazards to the aquatic environment:

**Fish** 

**Product:** LC 50, Pimephales promelas, 96 h, > 11 mg/l, The data are derived from

the evaluations or test results achieved with similar products (conclusion

by analogy).

Components:

Alcohols, C9-11- No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec- LC 50, Pimephales promelas, 96 h, 36 mg/l OECD 203

5-yne-4,7-diol LC 50, Cyprinus carpio, 96 h, 42 mg/l OECD 203

NOEC, Cyprinus carpio, 96 h, 10 mg/l OECD 203

**Aquatic Invertebrates** 

**Product:** EC 50, Daphnia magna, 48 h, > 12 mg/l, The data are derived from the

evaluations or test results achieved with similar products (conclusion by



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analogy).

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-

5-yne-4,7-diol

EC 50. Daphnia magna. 48 h. 88 mg/l OECD 202

EC 50, Daphnia magna, 48 h, 91 mg/l OECD 202 NOEC, Daphnia magna, 48 h, 43 mg/l OECD 202

**Toxicity to Aquatic Plants** 

Product: No data available.

**Components:** 

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

yne-4,7-diol

2,4,7,9-Tetramethyldec-5- EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 15 mg/l (OECD

EC 10 (Algae (Pseudokirchneriella subcapitata), 72 h): 1.8 mg/l (OECD

201)

ErC50 (Algae (Pseudokirchneriella subcapitata), 72 h): 82 mg/l (OECD

201)

Toxicity to microorganisms

**Product:** No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- EC 50, activated sludge, 3 h, Approximate, 630 mg/l, OECD 209

yne-4,7-diol

Toxicity to soil dwelling organisms

**Product:** No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

Toxicity to terrestrial organisms

**Product:** No data available.

**Components:** 

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

vne-4,7-diol

Chronic hazards to the aquatic environment:

Fish

**Product:** No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-No data available.

5-yne-4,7-diol



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**Aquatic Invertebrates** 

Product: No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear.

ethoxylated

2.4.7.9-Tetramethyldec-No data available.

5-yne-4,7-diol

**Toxicity to Aquatic Plants** 

**Product:** No data available.

**Components:** 

Alcohols, C9-11-No data available.

branched and linear.

ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

vne-4,7-diol

Toxicity to microorganisms

**Product:** No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- EC 50, activated sludge, 3 h, Approximate, 630 mg/l, OECD 209

vne-4,7-diol

Toxicity to soil dwelling organisms

Product: No data available.

**Components:** 

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

Toxicity to terrestrial organisms

**Product:** No data available.

Components:

Alcohols, C9-11-No data available.

branched and linear,

ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

vne-4,7-diol

12.2 Persistence and Degradability

**Biodegradation** 

**Product:** The product is easily biodegradable. The data are derived from the

evaluations or test results achieved with similar products (conclusion by

analogy).

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- 5 %, 28 d, OECD 301 B, The product is not biodegradable., aerobic

yne-4,7-diol 8 - 12 %, 60 d, OECD 301 B, The product is not biodegradable., aerobic

25.4 %, 57 d, OECD 302 A, The product is not biodegradable., aerobic



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12.3 Bioaccumulative potential

# **Bioconcentration Factor (BCF)**

**Product:** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

# Partition Coefficient n-octanol / water (log Kow)

**Product:** not measured

**Components:** 

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- 2.8, 22 °C, OECD 117, Yes

yne-4,7-diol

# 12.4 Mobility in soil:

**Product** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2.4.7.9-Tetramethyldec-5- No data available.

yne-4,7-diol

### 12.5 Results of PBT and vPvB assessment:

**Product** No data available.

Components:

Alcohols, C9-11-branched No data available.

and linear, ethoxylated

2,4,7,9-Tetramethyldec-5- No data available.

yne-4,7-diol

### 12.6 Other adverse effects:

Other hazards

**Product:** Do not allow to enter soil, waterways or waste water canal.

# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

**General information:** No data available.

**Disposal methods:** In accordance with local authority regulations, take to

special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed

of, the receiver must be informed about possible hazards.

# **SECTION 14: Transport information**



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Product name: CARBOWET® GA-210

### 14.1 UN/ID No.

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

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 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

# **SECTION 15: Regulatory information**

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

15.2 Chemical safety assessment:

No chemical safety assessment was carried out for this product.

# International regulations

# **Montreal protocol**

Not applicable

### Stockholm convention

Not applicable

# **Rotterdam convention**

Not applicable

### **Kyoto protocol**

Not applicable

### **SECTION 16: Other information**

# Abbreviations and acronyms:

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; EIGA - European Industrial Gases Association; 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



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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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and No data available. sources for data:

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

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Acute toxicity, Category 4 Oral	On basis of test data
Serious eye damage, Category 1	On basis of test data
Skin sensitizer, Category 1	On basis of test data

# Wording of the statements in section 2 and 3

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

**Training information:** Comply with national laws regulating employee instruction.

**Revision Information** 

Disclaimer:

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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