

Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 1 / 12

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

1.1 Product identifier

antifreeze G12evo

Article number: 183366, 783366, 183367, 183368

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

1.2.1 Relevant uses

Anti-freezing agents

1.2.2 Uses advised against

For all uses not specified in SECTION 1.2.1

1.3 Details of the supplier of the safety data sheet

Company Ferdinand Bilstein GmbH + Co. KG

Wilhelmstr. 47

58256 Ennepetal / GERMANY Phone +49 2333 911-0 Fax +49 2333 911-444 Homepage www.febi.com E-mail info@febi.com

Address enquiries to

Technical information info@febi.com
Safety Data Sheet info@febi.com

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Acute Tox. 4: H302 Harmful if swallowed.

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word WARNING
Contains: Ethylene glycol

Hazard statements H302 Harmful if swallowed

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

Precautionary statements P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P260 Do not breathe vapours.

P264 Wash hands thoroughly after handling.

P270 Do no eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell.

P314 Get medical advice / attention if you feel unwell.

P405 Store locked up

P501 Dispose of contents / container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of

disposal.

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation. **Environmental hazards** Contains no ingredients with endocrine-disrupting properties.

Does not contain any PBT or vPvB substances.

Other hazards Further hazards were not determined with the current level of knowledge.



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 2 / 12

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
60 - < 100	Ethylene glycol
	CAS: 107-21-1, EINECS/ELINCS: 203-473-3, EU-INDEX: 603-027-00-1, Reg-No.: 01-2119456816-28-XXXX
	GHS/CLP: Acute Tox. 4: H302 - STOT RE 2: H373
2,5 - < 5	Disodium sebacate
	CAS: 17265-14-4, EINECS/ELINCS: 241-300-3, Reg-No.: 01-2120762063-61-XXXX
	GHS/CLP: Eye Irrit. 2: H319
0,1 - <0,3	Methyl-1H-benzotriazole
	CAS: 29385-43-1, EINECS/ELINCS: 249-596-6, Reg-No.: 01-2119979081-35-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Repr. 2: H361d - Aquatic Chronic 2: H411

Comment on component parts

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.

In the event of symptoms seek medical treatment.

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

Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Ingestion Seek medical advice immediately.

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Fire extinguishing method of surrounding areas must be considered.

Carbon dioxide. Water spray jet. Dry powder. Foam.

- ..

Extinguishing media that must not

be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within

the local regulations.



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 3 / 12

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

Forms slippery surfaces with water.

Ensure adequate ventilation.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Take off contaminated clothing and wash before reuse.

Do not eat, drink or smoke when using this product.

Use barrier skin cream.

Wash hands before breaks and after work.

Contaminated work clothing should not be allowed out of the workplace. Cloths contaminated with product should not be kept in trouser pockets.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from heat/overheating.

7.3 Specific end use(s)

See product use, SECTION 1.2



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 4 / 12

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

Substance

Ethylene glycol

CAS: 107-21-1, EINECS/ELINCS: 203-473-3, EU-INDEX: 603-027-00-1, Reg-No.: 01-2119456816-28-XXXX

Long-term exposure: 20 ppm, 52 mg/m³, Vapour, particulate: 10 mg/m³

Short-term exposure (15-minute): 40 ppm, 104 mg/m³

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES

Ethylene glycol

CAS: 107-21-1, EINECS/ELINCS: 203-473-3, EU-INDEX: 603-027-00-1, Reg-No.: 01-2119456816-28-XXXX

Eight hours: 20 ppm, 52 mg/m³, H

Short-term (15-minute): 40 ppm, 104 mg/m³

DNEL

C.,	bstai	200
\sim u	OSIA	nc:e

Methyl-1H-benzotriazole, CAS: 29385-43-1

Industrial, inhalative, Long-term - systemic effects, 21.2 mg/m³

Industrial, dermal, Long-term - systemic effects, 300 µg/kg bw/day

general population, inhalative, Long-term - systemic effects, 350 µg/m3

general population, dermal, Long-term - systemic effects, 10 µg/kg bw/day

general population, oral, Long-term - systemic effects, 10 µg/kg bw/day

Ethylene glycol, CAS: 107-21-1

Industrial, dermal, Long-term - systemic effects, 106 mg/m³

Industrial, inhalative, Long-term - local effects, 35 mg/m³

general population, inhalative, Long-term - local effects, 7 mg/m³

general population, dermal, Long-term - systemic effects, 53 mg/m³

Disodium sebacate, CAS: 17265-14-4

Industrial, inhalative, Long-term - systemic effects, 35.26 mg/m³

Industrial, dermal, Long-term - systemic effects, 10 mg/kg bw/day

general population, inhalative, Long-term - systemic effects, 8.7 mg/m³

general population, dermal, Long-term - systemic effects, 5 mg/kg bw/day

general population, oral, Long-term - systemic effects, 5 mg/kg bw/day

PNEC

Substance

Methyl-1H-benzotriazole, CAS: 29385-43-1

freshwater, 8 µg/L

seawater, 20 µg/L

sewage treatment plants (STP), 39.4 mg/L

sediment (freshwater), 117 µg/kg sediment dw

sediment (seawater), 292 µg/kg sediment dw

soil, 18.7 µg/kg soil dw

Ethylene glycol, CAS: 107-21-1

sediment (seawater), 3,7 mg/kg

sewage treatment plants (STP), 199,5 mg/l (AF=10)

soil, 1,53 mg/kg

sediment (freshwater), 37 mg/kg

seawater, 1 mg/L

freshwater, 10 mg/L

Disodium sebacate, CAS: 17265-14-4

freshwater, 0.018 mg/L



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 5 / 12

seawater, 0.002 mg/L

sewage treatment plants (STP), 10 mg/L

sediment (freshwater), 0.548 mg/kg sediment dw sediment (seawater), 0.055 mg/kg sediment dw

soil, 0.099 mg/kg soil dw

8.2 Exposure controls

> Additional advice on system design Ensure adequate ventilation on workstation.

> > Measurement methods for taking workplace measurements must meet the performance

requirements of DIN EN 482. For example, recommendations are given in the IFA's list of

hazardous substances.

Eye protection Safety glasses. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further

information

> 0,4 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).

Skin protection Light protective clothing.

Other Personal protective equipment should be selected specifically for the working place,

depending on concentration and quantity handled. The resistance of this equipment to

chemicals should be ascertained with the respective supplier.

Avoid contact with eyes and skin.

Do not inhale vapours.

In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear Respiratory protection

appropriate respiratory protection.

Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Thermal hazards No information available.

Delimitation and monitoring of the

environmental exposition

Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state liquid **Form** liquid Color magenta Odor characteristic

Odour threshold No information available. pH-value ~ 8,5 (ASTM D1287) pH-value [1%] No information available. Boiling point or initial boiling point > 170 (ASTM D 1120)

and boiling range [°C]

Flash point [°C] ~ 125 (ASTM D-92) Flammability not applicable

Lower explosion limit No information available. Upper explosion limit No information available.

Oxidising properties

Vapour pressure/gas pressure [kPa] No information available.

Density [g/cm³] ca. 1,124 (ASTM D1122) (20 °C / 68,0 °F)

Relative density not determined Bulk density [kg/m³] not applicable Solubility in water miscible

Solubility other solvents No information available. Partition coefficient n-octanol/water

(log value)

No information available.

~ 25,6 mm²/s (ASTM D-7042) (20°C) Kinematic viscosity

Relative vapour density No information available. No information available. Melting point [°C] Auto-ignition temperature [°C] No information available. Decomposition temperature [°C] No information available. Particle characteristics No information available.

ebi bilstein

Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 6 / 12

9.2 Other information

Pour point: ~ -37°C (ASTM D1177) [1:1 H2O]

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with acids, alkalies and oxidizing agents.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Oxidizing agent Acids Strong basic compounds

10.6 Hazardous decomposition products

No hazardous decomposition products known.



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 7 / 12

SECTION 11: Toxicological information

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

Acute oral toxicity

Based on the available information, the classification criteria are fulfilled.

Product

ATE-mix, oral, 523,8 mg/kg bw

Substance

Methyl-1H-benzotriazole, CAS: 29385-43-1

LD50, oral, Rat, 720 mg/kg (Lit.)

NOAEL, oral, Rat, 150 mg/kg bw/day

Ethylene glycol, CAS: 107-21-1

LD50, oral, Rat, 7712 mg/kg bw

ATE, oral, 500 mg/kg (Acute Tox. 4)

Disodium sebacate, CAS: 17265-14-4

LD50, oral, Rat, >5000 mg/kg

NOAEL, oral, Rat, 1000 mg/kg bw/day

Acute dermal toxicity

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

Product

ATE-mix, dermal, >2000 mg/kg bw

Substance

Methyl-1H-benzotriazole, CAS: 29385-43-1

LD50, dermal, Rat, > 2000 mg/kg

Ethylene glycol, CAS: 107-21-1

LD50, dermal, mouse, > 3500 mg/kg bw

Disodium sebacate, CAS: 17265-14-4

LD50, dermal, Rat, >2000 mg/kg bw

Acute inhalational toxicity

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

Product

ATE-mix, inhalation (vapour), >20 mg/L

Substance

Ethylene glycol, CAS: 107-21-1

LC50, inhalative, Rat, > 2,5 mg/L air, 6h

Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance

Ethylene glycol, CAS: 107-21-1

Eye, Rabbit, In vivo study, non-irritating

Disodium sebacate, CAS: 17265-14-4

Eye, irritant, reizend,

Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance

Ethylene glycol, CAS: 107-21-1

dermal, Rabbit, In vivo study, non-irritating

Disodium sebacate, CAS: 17265-14-4

no adverse effect observed

Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.

Substance



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 8 / 12

Ethylene glycol, CAS: 107-21-1

dermal, Guinea pig, In vivo study, non-sensitizing

Disodium sebacate, CAS: 17265-14-4

dermal, The effects observed are not sufficient for classification.

Specific target organ toxicity —

single exposure

Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity —

repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Substance

Ethylene glycol, CAS: 107-21-1

NOAEL, dermal, Dog, 2200 mg/kg bw/day, adverse effect observed

NOEL, oral, Rat, 150 mg/kg bw/day, OECD 408, adverse effect observed

Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

Substance

Ethylene glycol, CAS: 107-21-1

in vitro, OECD 471, no adverse effect observed

Disodium sebacate, CAS: 17265-14-4

in vitro, negativ

in vivo, negativ

Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.

- Fertility

Substance

Ethylene glycol, CAS: 107-21-1

NOAEL, oral, Rat, > 1000 mg/kg bw/day, no adverse effect observed

Disodium sebacate, CAS: 17265-14-4

NOAEL, oral, Rat, > 500 mg/kg, no adverse effect observed

- Development

Substance

Ethylene glycol, CAS: 107-21-1

NOAEL, oral, Rat, 500 mg/kg bw/day, no adverse effect observed

Disodium sebacate, CAS: 17265-14-4

NOAEL, oral, Rat, > 500 mg/kg, no adverse effect observed

Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.

Substance

Ethylene glycol, CAS: 107-21-1

NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, no adverse effect observed

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information

none



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 9 / 12

SECTION 12: Ecological information

12.1 Toxicity

Ecological data of complete product are not available.

Substance		
Methyl-1H-benzotriazole, CAS: 29385-43-1		
LC50, (96h), Fish, 55 - 180 mg/L		
EC50, (48h), Invertebrates, 8.58 - 15.8 mg/L		
EC50, (72h), Algae, 29 - 75 mg/L		
NOEC, (21d), Invertebrates, 18.4 mg/L		
Ethylene glycol, CAS: 107-21-1		
LC50, (3d), Fish, 72.86 g/L		
LC50, (28d), Fish, 1,5 g/L		
EC50, (48h), Invertebrates, 100 mg/L		
EC50, (21d), Invertebrates, 33,911 g/L		
EC50, (4d), Invertebrates, 3,536 - 13 g/L		
Disodium sebacate, CAS: 17265-14-4		
LC50, (96h), Danio rerio, > 100 mg/L (OECD 203)		
EC50, (48h), Daphnia magna, > 100 mg/L (OECD 202)		
EL50, (72h), Skeletonema costatum, 38.7 mg/L (ISO 10253)		

12.2 Persistence and degradability

Behaviour in environment

compartments

Behaviour in sewage plant not determined

Biological degradability No information available.

Substance
Ethylene glycol, CAS: 107-21-1

(10d), 90 - 100 %, OECD 301 A, The product is readily biodegradable.

Disodium sebacate, CAS: 17265-14-4

(28d), 89 %, OECD 306, The product is readily biodegradable.

12.3 Bioaccumulative potential

No information available.

Substance
Ethylene glycol, CAS: 107-21-1
BCF, 10
log Pow, -1,36

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

None known.



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 10 / 12

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

160114*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances

150102 150104

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID

not applicable

Inland navigation (ADN)

not applicable

Marine transport in accordance with

IMDG

not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN)

NO DANGEROUS GOODS

IMDG

Marine transport in accordance with NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to

not applicable

ADR/RID

Inland navigation (ADN) not applicable

Marine transport in accordance with

not applicable

IMDG

Air transport in accordance with IATA not applicable



Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 11 / 12

14.4 Packing group

Transport by land according to

ADR/RID

not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with

IMDG

not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to

ADR/RID

no

Inland navigation (ADN) no

Marine transport in accordance with

IMDG

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006

(REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131;

(EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707

- Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

- Annex XIV (REACH) According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain

any substances ≥ 0.1% that are subject to authorisation.

- Annex XVII (REACH) According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1%

of substances with the following restrictions. 75

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the

following restrictions. 3

TRANSPORT-REGULATIONS ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)

NATIONAL REGULATIONS (UK): EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK

REACH; GB CLP.

- Observe employment restrictions

for people

Observe employment restrictions for young people.

- VOC (2010/75/CE) 0%

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

Ferdinand Bilstein GmbH + Co. KG

Date printed 13.03.2025, Revision 13.03.2025

Version 3.0. Supersedes version: 2.0

Page 12 / 12

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects. H361d Suspected of damaging the unborn child.

H319 Causes serious eye irritation.

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

H302 Harmful if swallowed.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par

ATE = acute toxicity estimate CAS = Chemical Abstracts Service

voie de navigation intérieure

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level DNEL = Derived No Effect Level EC50 = Median effective concentration ECB = European Chemicals Bureau EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

EL50 = Median effective loading

ELINCS = European List of Notified Chemical Substances

EmS = Emergency Schedules

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50% IMDG = International Maritime Code for Dangerous Goods IUCLID = International Uniform ChemicaL Information Database

IVIS = In vitro irritation score LC50 = Lethal concentration, 50% LD50 = Median lethal dose LC0 = lethal concentration, 0%

LOAEL = lowest-observed-adverse-effect level

LL50 = Median lethal loading LQ = Limited Quantities

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level NOEC = No Observed Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

TLV®/TWA = Threshold limit value - time-weighted average TLV®STEL = Threshold limit value - short-time exposure limit

VOC = Volatile Organic Compounds

vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure Acute Tox. 4: H302 Harmful if swallowed. (Calculation method)

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.

(Calculation method)

Modified position 9.1, 9.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7