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

1.1 Product identifier

screw locking
Article number: 26710, 26709

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

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]

Skin Irrit. 2: H315 Causes skin irritation.
Eye Irrit. 2: H319 Causes serious eye irritation.
Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

Hazard pictograms

Signal word WARNING

Contains: 2-Hydroxyethyl methacrylate

2,2'-Ethylenedioxydiethyl dimethacrylate

2'-Phenylacetohydrazide

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing vapours / spray.
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water / soap.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation.

Environmental hazards Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

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

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
30 - 45	2-Hydroxyethyl methacrylate
	CAS: 868-77-9, EINECS/ELINCS: 212-782-2, EU-INDEX: 607-124-00-X, Reg-No.: 01-2119490169-29
	GHS/CLP: Eye Irrit. 2: H319 - Skin Sens. 1: H317 - Skin Irrit. 2: H315
1 - 5	2,2'-Ethylenedioxydiethyl dimethacrylate
	CAS: 109-16-0, EINECS/ELINCS: 203-652-6, Reg-No.: 01-2119969287-21-XXXX
	GHS/CLP: Skin Sens. 1: H317
<1	Cumene hydroperoxide
	CAS: 80-15-9, EINECS/ELINCS: 201-254-7, EU-INDEX: 617-002-00-8
	GHS/CLP: Org. Perox. E: H242 - Acute Tox. 3: H331 - Acute Tox. 4: H302 H312 - STOT RE 2: H373 - Skin Corr. 1B: H314 - Aquatic Chronic 2: H411
	SCL [%]: 1 - <3: Eye Irrit. 2: H319, 3 - <10: Eye Dam. 1: H318, < 10: STOT SE 3: H335, >= 10: Skin Corr. 1B: H314, 1 - <10: Skin Irrit. 2: H315
0,1 - <0,5	2'-Phenylacetohydrazide
	CAS: 114-83-0, EINECS/ELINCS: 204-055-3
	GHS/CLP: Acute Tox. 3: H301 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Skin Sens. 1: H317 - STOT SE 3: H335
0,01 - <0,05	1,4-Dihydroxybenzene
	CAS: 123-31-9, EINECS/ELINCS: 204-617-8, EU-INDEX: 604-005-00-4
	GHS/CLP: Carc. 2: H351 - Muta. 2: H341 - Acute Tox. 4: H302 - Eye Dam. 1: H318 - Skin Sens. 1: H317 - Aquatic Acute 1: H400, M-Factor (acute): 10

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Change soaked clothing.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean 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.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
Irritant effects

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 foam, dry powder, water spray jet, carbon dioxide

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.
Nitrogen oxides (NOx).
Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Wear full protective suit.

Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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 mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).
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.

Keep away from all sources of ignition - Refrain from smoking.

Contaminated work clothing should not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not use metal containers.

Do not store together with acids.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Protect from heat/overheating.
Keep in a cool place. Store in a dry place.
Recommended storage temperature: +5°C - +25°C

7.3 Specific end use(s)

This product is not recommended for use in joints which will be in contact with either pure oxygen or steam.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

Substance
1,4-Dihydroxybenzene
CAS: 123-31-9, EINECS/ELINCS: 204-617-8, EU-INDEX: 604-005-00-4
Long-term exposure: 0,5 mg/m³

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

not relevant

DNEL

Substance
2-Hydroxyethyl methacrylate, CAS: 868-77-9
Industrial, inhalative, Long-term - local effects, 4,9 mg/m³
Industrial, inhalative, Long-term - systemic effects, 4,9 mg/m³
Industrial, dermal, Long-term - systemic effects, 1,3 mg/kg bw
Industrial, dermal, Long-term - local effects, 1,3 mg/kg bw
general population, inhalative, Long-term - systemic effects, 4,9 mg/m³
general population, inhalative, Long-term - local effects, 4,9 mg/m³
general population, dermal, Long-term - local effects, 1,3 mg/kg bw
general population, dermal, Long-term - systemic effects, 1,3 mg/kg bw
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
Industrial, inhalative, Long-term - systemic effects, 48.5 mg/m³ (AF=18)
Industrial, dermal, Long-term - systemic effects, 13.9 mg/kg bw/d (AF=72)
general population, dermal, Long-term - systemic effects, 8.33 mg/kg bw/d (AF=120)
general population, inhalative, Long-term - systemic effects, 14.5 mg/m³ (AF=69)
general population, oral, Long-term - systemic effects, 8.33 mg/kg bw/d (AF=120)

PNEC

Substance
2-Hydroxyethyl methacrylate, CAS: 868-77-9
freshwater, 0,482 mg/l
soil, 0,476 mg/kg dw
sewage treatment plants (STP), 10 mg/l
sediment (freshwater), 3,79 mg/kg dw
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
freshwater, 0.016 mg/L (AF=1000)
seawater, 0.002 mg/L (AF=10 000)
sewage treatment plants (STP), 1.7 mg/L (AF=10)
sediment (freshwater), 0.185 mg/kg dw
sediment (seawater), 0.018 mg/kg dw
soil, 0.027 mg/kg 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. In full contact: 0,7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: 0,45 mm Nitrile rubber, >480 min (EN 374-1/-2/-3).
Skin protection	Alkali-resistant protective clothing (EN 340)
Other	Avoid contact with eyes and skin. 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.
Respiratory protection	Breathing apparatus in the event of aerosol or mist formation. In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
Thermal hazards	not applicable
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

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	pasty
Color	green
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not determined not determined
Flash point [°C]	>100
Flammability	yes
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	ca. 1,1
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	partially soluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not determined
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other information

Temperature resistance: -55 - 150 °C
Dynamic viscosity: 400 - 700 mPas (25°C).

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.
Reactions with strong acids.

10.4 Conditions to avoid

See SECTION 7.2.
Strong heating.

10.5 Incompatible materials

Oxidizing agent
Strong acids.
Various metals.

10.6 Hazardous decomposition products

Irritant gases/vapours.

SECTION 11: Toxicological information

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

Acute oral toxicity

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

Substance
1,4-Dihydroxybenzene, CAS: 123-31-9
LD50, oral, Rat, 375 mg/kg
Cumene hydroperoxide, CAS: 80-15-9
LD50, oral, Rat, 382 mg/kg IUCLID
2'-Phenylacetohydrazide, CAS: 114-83-0
LD50, oral, mouse, 270 mg/kg bw (Lit.)
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LD50, oral, Rat, > 5000 mg/kg
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LD50, oral, Rat, 2000 - 5000 mg/kg bw

Acute dermal toxicity

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

Substance
1,4-Dihydroxybenzene, CAS: 123-31-9
LD50, dermal, Rabbit, 2000 mg/kg
Cumene hydroperoxide, CAS: 80-15-9
LD50, dermal, Rat, 0,5 - 1,43 mL/kg bw
LD50, dermal, Rabbit, 0,126 mL/kg bw=133,6 mg/kg bw
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LD50, dermal, Rabbit, > 5000 mg/kg
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LD50, dermal, mouse, > 2000 mg/kg bw

Acute inhalational toxicity

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

Substance
Cumene hydroperoxide, CAS: 80-15-9
LC50, inhalative, Rat, 220 ppm 4h IUCLID

Serious eye damage/irritation Irritant

Substance
Cumene hydroperoxide, CAS: 80-15-9
Causes serious eye damage.
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
Eye, Rabbit, OECD 405, non-irritating

Skin corrosion/irritation Irritant

Substance
Cumene hydroperoxide, CAS: 80-15-9
corrosive
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
dermal, Rabbit, In vivo study, non-irritating

Respiratory or skin sensitisation May cause an allergic skin reaction.

Substance
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
dermal, Mouse (female), OECD 429, sensitising

Specific target organ toxicity — single exposure Based on available data, the classification criteria are not met.

Substance
Cumene hydroperoxide, CAS: 80-15-9
inhalative, adverse effect observed

Specific target organ toxicity — repeated exposure Based on available data, the classification criteria are not met.

Substance
Cumene hydroperoxide, CAS: 80-15-9
adverse effect observed
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 422, no adverse effect observed
NOAEL, dermal, mouse, 2000 mg/kg bw/day, In vivo study, no adverse effect observed
NOAEC, inhalative, Rat, 100 ppm, OECD 413

Mutagenicity This product contains one or more substances of Muta. 2.
Based on available data, the classification criteria are not met.

Substance
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
in vitro, OECD 471, negativ

Reproduction toxicity Does not contain a relevant substance that meets the classification criteria.

- Fertility

Substance
Cumene hydroperoxide, CAS: 80-15-9
NOAEL, oral, Rat, 100 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 422, no adverse effect observed

- Development

Substance
Cumene hydroperoxide, CAS: 80-15-9
NOAEL, oral, Rat, 100 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 414, no adverse effect observed

Carcinogenicity This product contains one or more substances of categorie Carc. 2 (CLP).
Based on available data, the classification criteria are not met.

Substance
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
NOAEL, dermal, mouse, 1000 mg/kg bw/day, In vivo study, no adverse effect observed

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

General remarks

Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Does not contain a relevant substance that meets the classification criteria.

11.2.2 Other information Does not contain a relevant substance that meets the classification criteria.

SECTION 12: Ecological information

12.1 Toxicity

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

Substance
1,4-Dihydroxybenzene, CAS: 123-31-9
LC50, (96h), fish, 638 µg/L
EC50, (48h), Invertebrates, 61 - 134 µg/L
EC50, (72h), Algae, 33 - 330 µg/L
Cumene hydroperoxide, CAS: 80-15-9
LC50, (96h), Oncorhynchus mykiss, 3,9 mg/l
EC50, (24h), Daphnia magna, 7 mg/l
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LC50, (96h), Oryzias latipes, > 100 mg/l (OECD 203)
EC50, (48h), Daphnia magna, 380 mg/l (OECD 202)
EC50, (72h), Selenastrum capricornutum, 836 mg/l (OECD 201)
NOEC, (72h), Selenastrum capricornutum, 400 mg/l (OECD 201)
NOEC, (21d), Daphnia magna, 24,1 mg/l (OECD 202)
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LC50, (96h), Brachidanio rerio, 16.4 mg/L
EC50, (72h), Pseudokirchneriella subcapitata, > 100 mg/L
EC50, (21d), Daphnia magna, 51.9 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not applicable

Biological degradability not applicable

12.3 Bioaccumulative potential

No information available.

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

Does not contain a relevant substance that meets the classification criteria.

12.7 Other adverse effects

Ecotoxicological data are not available.

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

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended) 080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Contaminated packing should be disposed of as product waste.

Waste no. (recommended) 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
Marine transport in accordance with IMDG	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 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

14.4 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	no
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 I (REACH)	The product is not subject to Annex I restrictions.
- 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 (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
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

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H400 Very toxic to aquatic life.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H301 Toxic if swallowed.
H411 Toxic to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs through prolonged or repeated exposure.
H302+H312 Harmful if swallowed or in contact with skin.
H331 Toxic if inhaled.
H242 Heating may cause a fire.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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 voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
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

Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Modified position

1.1, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 5.2, 5.3, 6.1, 7.1, 7.2, 8.1, 8.2, 9.1, 10.1, 10.3, 10.5, 10.6, 11.1, 12.1, 12.2, 12.6, 12.7, 13.1, 15.1, 16.1, 16.2, 16.3