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

1.1 Product identifier

Surface sealant, orange
Article number: 2896521

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

1.2.1 Relevant uses

Sealing material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Normfest GmbH
Siemensstraße 23
42551 Velbert / GERMANY
Phone +49 2051 275-0
Fax +49 2051 275-141
Homepage www.normfest.com
E-mail info@normfest.de

Address enquiries to

Technical information info@normfest.de

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body Call NHS 111 or a doctor

SECTION 2: Hazards identification

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

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

2.2 Label elements

Hazard pictograms

Signal word WARNING

Contains: 2,2'-Ethylenedioxydiethyl dimethacrylate

2-Hydroxyethyl methacrylate

2'-Phenylacetohydrazide

Hazard statements

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

Precautionary statements

P280 Wear protective gloves / eye protection / face protection.
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

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards Contains no ingredients with endocrine-disrupting properties.
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
35 - 60	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
10 - 30	Bisphenol A ethoxylate dimethacrylate
	CAS: 41637-38-1, EINECS/ELINCS: 609-946-4, Reg-No.: 01-2119980659-17-XXXX
	GHS/CLP: Aquatic Chronic 4: H413
5 - 15	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
0.1 <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 - <10: Skin Irrit. 2: H315, >= 10: Skin Corr. 1B: H314, < 10: STOT SE 3: H335, 3 - <10: Eye Dam. 1: H318, 1 - <3: Eye Irrit. 2: H319
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
<0.05	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 Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
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.

Skin contact In case of contact with skin wash off immediately with plenty of 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 Get medical advice.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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 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.
Open and handle container with care.

Keep away from 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 store together with oxidizing agents.
Do not store together with acids.

Keep container in a well-ventilated place.
Keep container tightly closed.
Recommended storage temperature: <25 °C.
Protect from sun.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

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)

not relevant

DNEL

Substance
2-Hydroxyethyl methacrylate, CAS: 868-77-9
Industrial, dermal, Long-term - local effects, 1.3 mg/kg bw
Industrial, inhalative, Long-term - systemic effects, 4.9 mg/m³
Industrial, dermal, Long-term - systemic effects, 1.3 mg/kg bw
Industrial, inhalative, Long-term - local effects, 4.9 mg/m³
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
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
Industrial, dermal, Long-term - systemic effects, 140 mg/kg
Industrial, inhalative, Long-term - systemic effects, 98.7 mg/m³
general population, dermal, Long-term - systemic effects, 50 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 17.4 mg/m³
general population, oral, Long-term - systemic effects, 5 mg/kg bw/day
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, oral, Long-term - systemic effects, 8.33 mg/kg bw/d (AF=120)
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)

PNEC

Substance
2-Hydroxyethyl methacrylate, CAS: 868-77-9
sediment (freshwater), 3.79 mg/kg dw
sewage treatment plants (STP), 10 mg/l
soil, 0.476 mg/kg dw
freshwater, 0.482 mg/l
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
There are no PNEC values established for the substance.
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
soil, 0.027 mg/kg dw
sediment (seawater), 0.018 mg/kg dw

sediment (freshwater), 0.185 mg/kg dw
sewage treatment plants (STP), 1.7 mg/L (AF=10)
seawater, 0.002 mg/L (AF=10 000)
freshwater, 0.016 mg/L (AF=1000)

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:
> 0.4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3).
In splash contact:
> 0.4 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).

Skin protection
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	Viscous liquid
Color	see product designation
Odor	characteristic
Odour threshold	not determined
pH-value	3-4
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	>93
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]	1.0 - 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]	not determined
Kinematic viscosity	3000-5000 cPs
Relative vapour density	not determined
Evaporation speed	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

No information available.

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 strong oxidizing agents.
Risk of polymerisation.

10.4 Conditions to avoid

See SECTION 7.2.
Strong heating.

10.5 Incompatible materials

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

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
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
LD50, oral, Rat, > 2000 mg/kg bw, OECD 423
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LD50, oral, Rat, 2000 - 5000 mg/kg bw

Acute dermal toxicity

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

Substance
1,4-Dihydroxybenzene, CAS: 123-31-9
LD50, dermal, Rabbit, 2000 mg/kg
Cumene hydroperoxide, CAS: 80-15-9
LD50, dermal, Rabbit, 0.126 mL/kg bw=133.6 mg/kg bw
LD50, dermal, Rat, 0.5 - 1.43 mL/kg bw
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LD50, dermal, Rabbit, > 5000 mg/kg
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
LD50, dermal, Rat, > 2000 mg/kg bw, OECD 402
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LD50, dermal, mouse, > 2000 mg/kg bw

Acute inhalational toxicity

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

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.
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
Eye, in vitro, OECD 437, non-irritating
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
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
dermal, in vitro, OECD 439, non-irritating
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
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
dermal, mouse, OECD 429, non-sensitizing
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
dermal, Mouse (female), OECD 429, sensitising

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

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

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

Substance
Cumene hydroperoxide, CAS: 80-15-9
adverse effect observed
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
NOAEL, oral, >1000 mg/kg bw/day, OECD 408, no adverse effect observed
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
NOAEL, dermal, mouse, 2000 mg/kg bw/day, In vivo study, no adverse effect observed
NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 422, no adverse effect observed
NOAEC, inhalative, Rat, 100 ppm, OECD 413

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

Substance
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
in vitro, OECD 471, negativ
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
in vitro, OECD 471, negativ

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

- Fertility

Substance
Cumene hydroperoxide, CAS: 80-15-9
NOAEL, oral, Rat, 100 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
NOAEL, oral, Rat, >1000 mg/kg bw/day, OECD 414, no adverse effect observed
NOAEL, oral, Rat, >1000 mg/kg bw/day, OECD 422, 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
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
NOAEL, oral, Rat, >1000 mg/kg bw/day, OECD 414, no adverse effect observed
NOAEL, oral, Rat, >1000 mg/kg bw/day, OECD 422, 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 Based on the available information, the classification criteria are not fulfilled.

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 the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

11.2 Information on other hazards

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

Other information

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, (72h), Selenastrum capricornutum, 836 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 380 mg/l (OECD 202)
NOEC, (21d), Daphnia magna, 24.1 mg/l (OECD 202)
NOEC, (72h), Selenastrum capricornutum, 400 mg/l (OECD 201)
Bisphenol A ethoxylate dimethacrylate, CAS: 41637-38-1
Log Kow: 5.30 - 5.62
EL50, (72h), Pseudokirchneriella subcapitata, > 100 mg/L
EL50, (48h), Daphnia magna, > 100 mg/L
LL50, (96h), Brachidanio rerio, > 100 mg/L
BCF, Log Koc. 3.69 - 3.88 (20°C)
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LC50, (96h), Brachidanio rerio, 16.4 mg/L
EC50, (21d), Daphnia magna, 51.9 mg/L
EC50, (72h), Pseudokirchneriella subcapitata, > 100 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not applicable
Biological degradability	The product is not biodegradable.

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

	Dispose of as hazardous waste.
Waste no. (recommended)	080409*

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

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/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. 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)

H335 May cause respiratory irritation.
H301 Toxic if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.
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.
H400 Very toxic to aquatic life.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.

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

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

Modified position

SECTION 3 deleted: Cumene hydroperoxide

SECTION 2 deleted: Cumene hydroperoxide

SECTION 3 been added: Cumene hydroperoxide

SECTION 2 deleted: P271 Use only outdoors or in a well-ventilated area.

SECTION 2 deleted: P405 Store locked up.

SECTION 2 deleted: H335 May cause respiratory irritation.

SECTION 2 deleted: STOT SE 3

SECTION 2 been added: P362+P364 Take off contaminated clothing and wash it before reuse.

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 9 been added: liquid

SECTION 9 been added: not applicable

SECTION 9 been added: yes

SECTION 9 deleted: not determined

SECTION 11 been added: Based on the available information, the classification criteria are not fulfilled.

SECTION 11 deleted: Classification was carried out based on substance-specific concentration limits.

SECTION 11 deleted: May cause respiratory irritation.

SECTION 11 been added: Does not contain a relevant substance that meets the classification criteria.

SECTION 11 deleted:

SECTION 12 been added: Does not contain a relevant substance that meets the classification criteria.

SECTION 16 deleted: Calculation method