

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name : STAR BRITE CERAMIC VINYL PROTECT  
Product code : 2039XX

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

Application : SU21 Consumer product. PC0 Other. Exterior care products - all vehicle types.

**1.3. Details of the supplier of the safety data sheet**

Supplier : Star brite Nederland B.V.  
Kryptonweg 7  
NL-3812 RZ Amersfoort, The Netherlands  
Telephone : +31(0)337853616  
E-mail : info@starbrite.nl  
Website : http://www.starbrite.nl

**1.4. Emergency telephone number**

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : +31(0)337853616 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

Giftnotruf der Charité - Universitätsmedizin Berlin +49-30-19240 (24/7)

**SECTION 2 HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

CLP classification : Skin sensitization, category 1. Hazardous to the aquatic environment — Chronic category 3.  
(1272/2008/EC)

Human health hazards : May cause an allergic skin reaction.  
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.  
Environmental hazards : Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

Label elements ((EU) 1272/2008):

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves.
P261	Avoid breathing vapours.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P273	Avoid release to the environment.

P501 Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P261 Avoid breathing vapours.
- P280 Wear protective gloves.
- P302+P352 IF ON SKIN: Wash with plenty of water/soap.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

: Contains: Hydroxyphenyl-benzotriazole-derivative ; Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate . Contains: Reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1) ( 0,0014 ) ( preservative ) .

**2.3. Other hazards**

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Hydroxyphenyl-benzotriazole-derivative	0,1 - < 1	-----	400-830-7		
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0,25 - < 1	1065336-91-5	915-687-0		
Alcohols, C14-15, ethoxylated	0,1 - < 1	68951-67-7	614-831-7		
Reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	< 0,0015	55965-84-9	611-341-5		

Substance name	Hazard Class	H-phrases	Pictograms
Hydroxyphenyl-benzotriazole-derivative	Skin Sens. 1A; Aquatic Chronic 2	H317; H411	GHS07; GHS09

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Skin Sens. 1A; Aquatic Acute 1; Aquatic Chronic 1; Repr. 2	H317; H400; H410; H361f	GHS07; GHS08; GHS09	M (acute) = 1 M (chronic) = 1
Alcohols, C14-15, ethoxylated	Aquatic Acute 1; Aquatic Chronic 3; Eye Dam. 1; Acute Tox. 4	H400; H412; H318; H302	GHS05; GHS07; GHS09	M (acute) = 1
Reaction mass of: 5-chloro-2- methyl-4 - isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	Acute Tox. 3; Acute Tox. 2; Skin Corr. 1C; Skin Sens. 1A; Eye Dam. 1; Acute Tox. 2; Aquatic Acute 1; Aquatic Chronic 1	H301; H310; H314; H317; H318; H330; H400; H410	GHS05; GHS06; GHS07; GHS09	M (acute) = 100 M (chronic) = 100 H317 : C >= 0,0015 % H319 : C >= 0,06 % H315 : C >= 0,06 % H314 B : C >= 0,6 % H318 : C >= 0,6 %

Reference is made to chapter 16 for full text of each relevant H phrase.

## SECTION 4 FIRST-AID MEASURES

### 4.1. Description of first aid measures

#### First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

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

#### Effects and symptoms

- Inhalation : No specific effects and/or symptoms are known.
- Skin contact : May cause redness and irritation, sensitisation. May produce an allergic reaction. May cause dry skin.
- Eye contact : May cause stinging of eyes and redness.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

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

- Note to physicians : None known.

## SECTION 5 FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Use of heavy stream of water may spread fire.

### 5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
- Hazardous thermal decomposition and combustion products : Carbon monoxide may be evolved if incomplete combustion occurs.

### 5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.

**6.2. Environmental precautions**

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Waste product should not be allowed to contaminate soil or water.  
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

**6.4. Reference to other sections**

Reference to other sections : See also section 8.

**SECTION 7 HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage : Keep frost-free, in a cool, dry and well-ventilated place.  
Recommended packaging : Keep only in the original container.  
Non recommended packaging : Steel (except stainless steel).

**7.3. Specific end use(s)**

Use : Use only as directed.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Inhalation				1.27 mg/m <sup>3</sup>

Reaction mass of: 5-chloro-2- methyl-4 - isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	Dermal Inhalation	0,04 mg/m3		0,02 mg/m3	1.8 mg/kg bw/day
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Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Inhalation				0.31 mg/m3
	Dermal Oral				0.9 mg/kg bw/day 0.18 mg/kg bw/day
Reaction mass of: 5-chloro-2- methyl-4 - isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	Oral		0,11 mg/kg bw		0,09 mg/kg bw/day
	Inhalation	0,04 mg/m3		0,02 mg/m3	

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Water	0.002 mg/l	0 mg/l	
	Sediment	1,05 mg/kg	0,11 mg/kg	
	Intermittent water			0,009 mg/l
	STP Soil			1 mg/l 0,21 mg/kg
Reaction mass of: 5-chloro-2- methyl-4 - isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	Water	0.00339 mg/l	0.00339 mg/l	
	Sediment	0.027 mg/kg	0.027 mg/kg	
	STP			0.23 mg/l
	Soil			0.01 mg/kg

## 8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.
- Respiratory protection : Take care of sufficient ventilation.
- Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.
- Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid.	
Colour	: White.	
Odour	: Perfumed.	
Odour threshold	: Not known.	
pH	: 7,5	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Not measured. Not relevant for mixtures.
Flash point	: Not applicable.	Does not contain combustible substances in concentrations higher than 1%.
Flammability (solid, gas)	: Not applicable.	Liquid.
Auto ignition temperature	: > 230 °C	
Boiling point/boiling range	: 100 °C	
Melting point/melting range	: 0 °C	
Explosive properties	: Not an explosive.	
Explosion limits (% in air)	: Not applicable.	
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: 2300 Pa	
Relative vapour density	: Not relevant.	The solvent content of this product is less than 1%.
Relative density (20°C)	: 1 g/ml	
Particle characteristics	: Not applicable.	Liquid.

**9.2. Other information**

Other information : Not relevant.

**SECTION 10 STABILITY AND REACTIVITY**

**10.1. Reactivity**

Reactivity : See sub-sections below.

**10.2. Chemical stability**

Stability : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactivity : No other hazardous reactions known.

**10.4. Conditions to avoid**

Conditions to avoid : See section 7.

**10.5. Incompatible materials**

Materials to avoid : No specific recommendations.

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Not known.

**SECTION 11 TOXICOLOGICAL INFORMATION**

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

No toxicological research has been carried out on this product.

**Inhalation**

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. No specific effects and/or symptoms are known.
- Corrosion/irritation : No specific effects and/or symptoms are known. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

**Skin contact**

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : May cause sensitisation by skin contact. May produce an allergic reaction.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

**Eye contact**

- Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

**Ingestion**

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Danger of aspiration is not expected. Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Hydroxyphenyl-benzotriazole-derivative	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	Skin sensitisation	Sensitizing.	OECD 406	Guinea pig
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	LC50 (inhalation)	> 5800 mg/m3	OECD 403	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Mutagenicity	Not mutagenic		
	NOAEL (oral)	5 mg/kg bw/d		Rat
	NOAEL (development, oral)	Not teratogenic		
NOAEL (fertility, oral)	Not reprotoxic			

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	----
	LD50 (oral)	3230 mg/kg bw	OECD 423	Rat
	Skin irritation	Minimally irritant	OECD 404	Rabbit
	Eye irritation	Non-irritant	OECD 405	Rabbit
	Skin sensitisation	Sensitizing.	OECD 406	Guinea pig
	Genotoxicity - estimate	Not genotoxic	Read across	
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	NOAEL (oral)	300 mg/kg bw/d	OECD 407	Rat
	NOAEL (fertility, oral)	109 mg/kg bw/d		Rat
	NOAEL (development, oral)	2,8 mg/kg bw/d	----	Rat
	Mutagenicity	Not mutagenic	----	
	NOEL (carcinogenicity, oral)	Not carcinogenic	OECD 453	Rat
	NOEL (inhalation)	0,34 mg/m3	OECD 413	Rat
	NOAEL (dermal)	0,104 mg/kg bw/d	----	Rat
	Skin sensitisation	Sensitizing.	----	Guinea pig
Eye irritation	Corrosive.	----	Rabbit	
Skin irritation	Corrosive.	----	Rabbit	
NOAEL (oral)	2,8 mg/kg bw/d		Rat	
LD50 (dermal)	> 75 mg/kg bw	----	Rabbit	
LD50 (oral)	59 mg/kg bw	----	Rat	
LC50 (inhalation)	> 1169 mg/m3		Rat	

**11.2. Information on other hazards**

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other information : Not applicable.

**SECTION 12 ECOLOGICAL INFORMATION**

**12.1. Toxicity**

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic organisms. Calculated LC50 (fish): 118 mg/l. Calculated EC50 (waterflea): 385 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment.

**12.2. Persistence and degradability**

Persistence – degradability : May cause long-term adverse effects in the aquatic environment. The surfactants contained in this preparation do not comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents. This product shall not be used in cleaners.

**12.3. Bioaccumulative potential**

Bioaccumulative potential : No specific information known.

**12.4. Mobility in soil**

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

**12.5. Results of PBT and vPvB assessment**

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

**12.6. Endocrine disrupting properties**

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7. Other adverse effects**

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	NOEC (fish)	0,22 mg/l	OECD 203	Brachydanio rerio
	IC50 (algae)	1,68 mg/l	OECD 201	Desmodesmus subspicatus
	NOEC (waterflea) - chronic	1 mg/l.d	OECD 211	Daphnia magna
	LC50 (fish)	0,9 mg/l	OECD 203	Brachydanio rerio
	EC50 (waterflea)	20 mg/l	OECD 202	Daphnia magna
	Ultimate aerobic biodegradation (%)	38 %	OECD 301 E	
	Log P(ow)	2,57		

**SECTION 13 DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : None.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

**SECTION 14 TRANSPORT INFORMATION**

**14.1. UN number or ID number**

UN nr. : None.

**14.2. UN proper shipping name**

Transport name : Not regulated.

**14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards**

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

**14.6. Special precautions for user**

Other information : Country specific variations may apply.

**14.7. Maritime transport in bulk according to IMO instruments**

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

**SECTION 15 REGULATORY INFORMATION**

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).

**15.2. Chemical safety assessment**

Chemical safety assessment : Not applicable.

**SECTION 16 OTHER INFORMATION**

**16.1. Other information**

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be used (but not necessarily are used) in this safety data sheet:

- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE : Acute Toxicity Estimate
- CLP : Classification, Labeling & Packaging
- CMR : Carcinogenic, Mutagenic or toxic for Reproduction
- EEC : European Economic Community
- GHS : Globally Harmonized System of Classification and Labelling of Chemicals
- IATA : International Air Transport Association
- IBC code : The IMO International Code for construction and equipment of ships carrying dangerous chemicals in bulk.
- IMDG : International Maritime Dangerous Goods Code
- LD50/LC50 : Lethal Dose/Concentration for 50% of a population
- MAC : Maximum Allowable Concentration
- MARPOL : International Convention for the Prevention of Pollution From Ships
- NO(A)EL : No Observed (Adverse) Effect Level
- OECD : Organisation for Economic Co-operation and Development
- PBT : Persistent, Bioaccumulative and Toxic
- PC : Chemical product category
- PT : Product type
- REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
- STP : Sewage Treatment Plant
- SU : Sector of Use
- TWA/STEL : Time-Weighted Average/Short Term Exposure Limit

UN : United Nations  
UFI : Unique formula identifier  
VOC : Volatile Organic Compounds  
vPvB : Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Skin Sens. 1/1A/1B : Calculation method.  
Aquatic Chronic 3 : Calculation method.

Full text of hazard classes mentioned in section 3:

Acute Tox. 1 : Acute toxicity, category 1.  
Acute Tox. 3 : Acute toxicity, category 3.  
Acute Tox. 4 : Acute toxicity, category 4.  
Skin Corr. 1A/B/C : Skin corrosive, category 1A/B/C.  
Eye Dam. 1 : Serious eye damage, category 1.  
Skin Sens. 1/1A/1B : Skin sensitization, category 1/1A/1B.  
Aquatic Chronic 1 : Hazardous to the aquatic environment — Chronic category 1.  
Aquatic Chronic 2 : Hazardous to the aquatic environment — Chronic category 2.  
Aquatic Chronic 3 : Hazardous to the aquatic environment — Chronic category 3.  
Aquatic Acute 1 : Hazardous to the aquatic environment — Acute category 1.

Full text of H-phrases mentioned in section 3:

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H330 Fatal if inhaled.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

Advice on any training appropriate for workers: none.

Country / Language code : DE / EN  
Number format : "," used as decimal separator.

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End of safety data sheet.