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	TION 1: Identification of the s	ubstance/mixture and of the company/undertaking
.1	Product identifier	
		HENSOTHERM® 471 KS
.2	Relevant identified uses of the	ne substance or mixture and uses advised against
.2.1	Relevant uses	
		Fire retardant coating
.2.2	2 Uses advised against	
	J. J	None known.
2	Details of the supplier of the	cofety data shoot
.3	Details of the supplier of the	-
	Company	Rudolf Hensel GmbH Lauenburger Landstr. 11
		21039 Börnsen / GERMANY
		Phone +49 (0)40-72 10 62 10 Fax +49 (0)40-72 10 62 52
		Homepage www.rudolf-hensel.de
		E-mail info@rudolf-hensel.de
	Address enquiries to	
	Technical information	info@rudolf-hensel.de
	Safety Data Sheet	sdb@chemiebuero.de
4	Emergency telephone number	Pr
	Company	+49 (0)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)
EC	TION 2: Hazards identification]
.1	Classification of the substan	ce or mixture [REGULATION (GB) CLP] Repr. 2: H361f Suspected of damaging fertility.
		Repr. 2. Hoo h ouspected of damaging fertility.
.2	Label elements	
.2		
.2	Label elements Hazard pictograms	
2		WARNING
.2	Hazard pictograms	•
.2	Hazard pictograms Signal word	WARNING Melamine
.2	Hazard pictograms Signal word Contains: Hazard statements	WARNING Melamine H361f Suspected of damaging fertility.
.2	Hazard pictograms Signal word Contains:	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray.
.2	Hazard pictograms Signal word Contains: Hazard statements	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection.
.2	Hazard pictograms Signal word Contains: Hazard statements	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray.
.2	Hazard pictograms Signal word Contains: Hazard statements	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives
.2	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1).
.2	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements	WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives
.2	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements	 WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1). Contains: 2-Methyl-2H-isothiazolin-3-one, Reaction mass of 2-methyl-2H-isothiazol-3-one
	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements Special labelling	 WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1). Contains: 2-Methyl-2H-isothiazolin-3-one, Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one. EUH208 May produce an allergic reaction.
	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements Special labelling 2004/42/CE Other hazards	 WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1). Contains: 2-Methyl-2H-isothiazolin-3-one. Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one. EUH208 May produce an allergic reaction. 0 g/l II A i WB One-pack performance coatings (max. 140 g/l)
	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements Special labelling 2004/42/CE	 WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1). Contains: 2-Methyl-2H-isothiazolin-3-one, Reaction mass of 2-methyl-2H-isothiazol-3-one and 5-chloro-2-methyl-2H-isothiazol-3-one. EUH208 May produce an allergic reaction.
	Hazard pictograms Signal word Contains: Hazard statements Precautionary statements Special labelling 2004/42/CE Other hazards	 WARNING Melamine H361f Suspected of damaging fertility. P201 Obtain special instructions before use. P260 Do not breathe spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P501 Dispose of contents/container in accordance with local/national regulation. Product treated with preservatives METHYLCHLOROISOTHIAZOLINONE/METHYLISOTHIAZOLINONE (3:1). Contains: 2-Methyl-2H-isothiazolin-3-one. EUH208 May produce an allergic reaction. 0 g/I II A i WB One-pack performance coatings (max. 140 g/l)

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SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
3 - < 10	Melamine
	CAS: 108-78-1, EINECS/ELINCS: 203-615-4, Reg-No.: 01-2119485947-16-XXXX
	GHS/CLP: Repr. 2: H361f
< 0,02	2-Bromo-2-nitropropane-1,3-diol
	CAS: 52-51-7, EINECS/ELINCS: 200-143-0, EU-INDEX: 603-085-00-8
	GHS/CLP: Acute Tox. 4: H302 H312 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 2: H411, M-Factor (acute): 10
< 0,0015	Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1)
	CAS: 55965-84-9, EINECS/ELINCS: 611-341-5, EU-INDEX: 613-167-00-5
	GHS/CLP: Acute Tox. 3: H301 - Acute Tox. 2: H310 H330 - Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Skin Sens. 1A: H317 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - EUH071, M-Factor (acute): 100, M-Factor (chronic): 100
	SCL [%]: >=0,0015: Skin Sens. 1A: H317, >=0,6: Eye Dam. 1: H318, >=0,6: Skin Corr. 1C: H314, 0,06 - <0,6: Eye Irrit. 2: H319, 0,06 - <0,6: Skin Irrit. 2: H315

Comment on component parts	Substances
----------------------------	------------

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	Take off contaminated clothing and wash before reuse.
	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	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	

Allergic reactions

Irritant effects

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	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
	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.

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5.3	Advice for firefighters		
		Use self-contained breathing apparatus.	
		Fire residues and contaminated firefighting water must be disposed of in accord	lance within
		the local regulations.	
SEC	CTION 6: Accidental release measu	res	
6.1	Personal precautions, protective	equipment and emergency procedures	
		High risk of slipping due to leakage/spillage of product.	
6.2	Environmental precautions		
	·	Do not discharge into the drains/surface waters/groundwater.	
6.3	Methods and material for contain	ment and cleaning up	
0.5		Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diator	maceous
		earth).	
		Dispose of absorbed material in accordance within the regulations.	
6.4	Reference to other sections		
		See SECTION 8+13	
SEC	TION 7: Handling and storage		
7.1	Precautions for safe handling		
		The normal safety precautions for handling chemicals must be observed.	
		Use only in well-ventilated areas. Provide suitable vacuuming at the processing area.	
		rovide suitable vacuuming at the processing area.	
		Do not eat, drink, smoke or take drugs at work.	
		After worktime and before work breaks the affected skin areas must be thoroug	hly cleaned.
		Use barrier skin cream. Take off contaminated clothing and wash before reuse.	
7.2	Conditions for safe storage, inclu		
		Keep only in original container. Prevent penetration into the ground.	
		Do not store together with food and animal food/diet.	
		Keep container tightly closed.	
		Protect from heat/overheating. Keep in a cool place. Store in a dry place.	
7.3	Specific end use(s)		
		See product use, SECTION 1.2	

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Titanium dioxide
CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
Long-term exposure: 4 mg/m ³ , respirable; total inhalable: TWA=10 mg/m ³
Pentaerythritol
CAS: 115-77-5, EINECS/ELINCS: 204-104-9, Reg-No.: 01-2119473985-20-XXXX
Long-term exposure: 10 mg/m ³ , inhalable dust, respirable dust: TWA=4 mg/m ³
Short-term exposure (15-minute): 20 mg/m ³

DNEL

Substance	
Melamine, CAS: 108-78-1	
Industrial, dermal, Long-term - systemic effects, 11,8 mg/kg	
Industrial, inhalative, Long-term - systemic effects, 8,3 mg/m ³	
Industrial, inhalative, Acute - systemic effects, 82,3 mg/m ³	
Industrial, dermal, Acute - systemic effects, 117 mg/kg	
general population, oral, Long-term - systemic effects, 0,42 mg/kg	
general population, dermal, Long-term - systemic effects, 4,2 mg/kg	
general population, inhalative, Long-term - systemic effects, 1,5 mg/m ³	

PNEC

Substance
Melamine, CAS: 108-78-1
sewage treatment plants (STP), 200 mg/L
oral (food), 22 mg/kg
soil, 1,6 mg/kg
sediment (seawater), 0,55 mg/kg
sediment (freshwater), 5,5 mg/kg
seawater, 0,051 mg/L
freshwater, 0,51 mg/L



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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	0,7mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale aerosols. 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 during pregnancy/ while nursing.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter P2. (DIN EN 143)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

 ·······························	
Physical state	pasty
Color	white
Odor	characteristic
Odour threshold	not applicable
pH-value	7,7 - 8,7
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm³]	1,3 - 1,4 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Solubility other solvents	not applicable
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	10000 - 14000 mPa.s (20°C)
Relative vapour density	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Auto-ignition temperature	not self-igniting
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

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9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

not applicable

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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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

Substance	
Melamine, CAS: 108-78-1	
LD50, oral, Rat (male), 3161 mg/kg	
LD50, oral, Rat (female), 3828 mg/kg	
2-Bromo-2-nitropropane-1,3-diol, CAS: 52-51-7	
LD50, oral, Rat, 193 mg/kg	
Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 558	965-84-9
LD50, oral, 64 mg/kg (ECHA, CLH Report)	
LD50, oral, Rat, 53 mg/kg	

Acute dermal toxicity

Product	
ATE-mix, dermal, > 2000 mg/kg	
Substance	
Melamine, CAS: 108-78-1	
LD50, dermal, Rat, > 2000 mg/kg	

2-Bromo-2-nitropropane-1,3-diol, CAS: 52-51-7

LD50, dermal, Rat, 2000 mg/kg

Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 55965-84-9

LD50, dermal, Rabbit, 87,12 mg/kg (ECHA, CLH Report)

Acute inhalational toxicity

Product ATE-mix, inhalativ (mist), > 5 mg/l 4h

Substance
Melamine, CAS: 108-78-1
LC50, inhalative, Rat, 5,19 mg/l, OECD 403, 4h
Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 55965-84-9
LC50, inhalative, Rat, 0,171 mg/l/4h (ECHA, CLH Report)

Serious eye damage/irritation

Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.

Substance
Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 55965-84-9
Harmonised classification: Eye Dam. 1 H318

Skin corrosion/irritation

Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.

Substance



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	Melamine, CAS:	08-78-1		
	Rabbit, OECD 404, non-irritating			
	Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 55965-84-9			
	Harmonised class	ification: Skin Corr. 1C H314		
Respiratory or skin sensitisation		Based on the available information, the cla Toxicological data of complete product are		
	Substance			
	Melamine, CAS: 7	08-78-1		
	Guinea pig, OECD 406, non-sensitizing			
			thiazal 2 ana (2:1) CAS: FEORE 94 0	
	Mixture: 5-chloro-	2-methyl-2H- isothiazol-3-one/2-methyl-2H-iso	Juliazoi-3-one (3.1), CAS. 55965-64-9	
		2-methyl-2H- isothiazol-3-one/2-methyl-2H-isc ification: Skin Sens. 1A H317	JIIIA201-3-011e (3. 1), CAS. 55965-64-9	

Specific target organ toxicity — repeated exposure	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Mutagenicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Reproduction toxicity	Suspected of damaging fertility. Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available.

	Calculation method
	Substance
	Melamine, CAS: 108-78-1
	NOAEL, 833 mg/kg, OECD 443, positive
Carcinogenicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled.

	Toxicological data of complete product are not available.
Aspiration hazard	Does not contain a relevant substance that meets the classification criteria.
General remarks	
	none

11.2 Information on other hazards

Endocrine disrupting properties Other information Contains no ingredients with endocrine-disrupting properties.

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SECTION 12: Ecological information

12.1 Toxicity

Substance
Melamine, CAS: 108-78-1
LC50, (96h), Oncorhynchus kisutch, > 3000 mg/L
EC50, (48h), Daphnia magna, 200 mg/L EPA OPP 72-2
NOEC, (21d), Daphnia magna, >= 11 mg/L OECD 211
ErC50, (96h), Pseudokirchneriella subcapitata, 325 mg/L PRO/FT Algae-AC090-6
Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one/2-methyl-2H-isothiazol-3-one (3:1), CAS: 55965-84-9
LC50, (96h), Oncorhynchus mykiss, 0,19 mg/l
EC50, (48h), Daphnia magna, 0,18 mg/l
ErC50, Skeletonema costatum, 0,003 mg/l

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

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.

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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 authorities if necessary. Dispose of as hazardous waste.
	Waste no. (recommended)	080119*
	Contaminated packaging	
		Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
	Waste no. (recommended)	150110* packaging containing residues of or contaminated by hazardous substances 150102
SEC	TION 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

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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 (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)	
	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		

not applicable

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SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H302+H312 Harmful if swallowed or in contact with skin.

H361f Suspected of damaging fertility.

EUH071 Corrosive to the respiratory tract.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

H310+H330 Fatal in contact with skin or if inhaled.

H301 Toxic 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 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

Repr. 2: H361f Suspected of damaging fertility. (Calculation method)

21039 Börnsen



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Modified position	SECTION 3 been added: 2-Bromo-2-nitropropane-1,3-diol
	SECTION 3 been added: Melamine
	SECTION 2 been added: H361f Suspected of damaging fertility.
	SECTION 2 been added: WARNING
	SECTION 2 been added: health hazard
	SECTION 2 been added: Repr. 2
	SECTION 2 been added: P260 Do not breathe spray.
	SECTION 2 been added: P201 Obtain special instructions before use.
	SECTION 2 deleted: EUH210 Safety data sheet available on request.
	SECTION 2 been added: P308+P313 IF exposed or concerned: Get medical advice / attention.
	SECTION 2 been added: P280 Wear protective gloves / protective clothing / eye protection / face protection.
	SECTION 2 been added: P501 Dispose of contents/container in accordance with local/national regulation.
	SECTION 5 been added: Risk of formation of toxic pyrolysis products.
	SECTION 8 been added: Avoid contact during pregnancy/ while nursing.
	SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.
	SECTION 13 been added: Dispose of as hazardous waste.
	SECTION 15 been added: Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
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