according to Regulation (EU) 2015/830

Date of issue: 9/29/2017 Revision date: 5/13/2020 Version: 1.0

her name : Propylene glycol monomethacrylate CACH registration number : 01:2119490226-37-*** 2. Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses ain use category : Applied in the manufacturing of thermosetting acrylic coating , acrylic acid modified polyer coating, water-soluble electoplate coating binder, paper coating , photosensitive coating agent, etc. 2.2. Uses advised against servicinos on use : No information available 3. Details of the supplet of the safety data sheet hangzhou Hickory Chemical Co., LTD. 3.2. Weihua Road, Xinbei District, Changzhou City, Jiangsu, China 3127 496-519-68193649 - F +96-519-68204227 Liss3@hickcham.com 446-519-68193649 - F +96-519-68204227 Liss3@hickcham.com 446-519-68193649 - F +96-519-68204227 Liss3@hickcham.com 446-519-68193649 - F +96-519-68204227 Liss3@hickcham.com 446-519-68193649 - F +96-519-85204227 Liss3@hickcham.com 517 ECTION 2: Hazards Identification 1. Classification of the substance or mixture assification according to Regulation (EC) No. 1272/2008 [CLP] relieus eve damage/eye initiation, Category 133 ai sensitisation, Category 1 H317 uil text of H statements : see section 16 249erse physicochemical, human health and environmental effects ay cause an allergic skin reaction. Causes serious eye irritation. 2. Label elements babling according to Regulation (EC) No. 1272/2008 [CLP] zard statements (CLP) : Warning zard statements (CLP) : Warning arad statements (CLP) : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. 2. P281 - Avoid branching dustryfuncygar.mistyapours/spray. P280 - Wear protective gloves/protective clothing/eye protection. P280 - Wear protective indiversion stater, extended.		
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hangzhou Hickory Chemical Co., LTD. o., Welhua Road J.Kihoei District , Changzhou City, Jiangsu, China 13127 +86-519-68193649 - F +86-519-85204327 ales3@hickohem.com 4. Emergency telephone number mergency number : : +86-15195011207 ECTION 2: Hazards Identification 4. Classification of the substance or mixture tassification according to Regulation (EC) No. 1272/2008 [CLP] erious eye damage/eye irritation, Category H319 kin sensitisation, Category 1 H317 ull text of H statements : see section 16 dverse physicochemical, human health and environmental effects lay cause an allergic skin reaction. Causes serious eye irritation. 2. Label elements abelling according to Regulation (EC) No. 1272/2008 [CLP] azard pictograms (CLP) : : ignal word (CLP) : : Warning azard statements (CLP) : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. recautionary statements (CLP) : P261 - Avaid breathing dust/tume/gas/misi/vapours/spray. P260 - Wear protective gloves/protective closhing/eye protection. P302+P322 - IFON SKIN: Waah with jenty of water. P303+P323 - IF N EYES: Rinse caulionary statements, CLP) : P261 - Avaid breathing dust/tume/gas/misi/vapours/spray. P304-P323 - IF N EYES: Rinse caulionary statements, CLPP . P304-P33 - IF N EYES: Rinse caulionary statements, P304-P33 - IF N EYES: Rinse caulionary statements, P304-P33 - IF N EYES: Rinse caulionary statements, P304-P33 - IF N EYES: Rinse caulionary statement, P304-P33 - IF N EYES: Rinse caulionary statement, P304-P33 - IF N EYES: Rinse caulious yith water for several minutes, Remov contact Intense, If present and easy to the cause of several minutes, Remov contact Intense, If present and easy to the cause of several minutes, Remov contact Intense, If present and easy to thazardous or specidie water for several minutes, Remov contact Intense, If present and easy to thazardous or specidie water for several minutes, Remov contact Intense, If present and easy to thazardous or specidie water for several minutes, Remo		
<ul> <li>a.2. Weihua Road ,Xinbei District ,Changzhou City, Jiangsu, China 13127</li> <li>486-519-68193649 - F +86-519-65204327</li> <li>ales3@hickchem.com</li> <li>4. Emergency telephone number</li> <li>effection 2</li> <li>classification according to Regulation (EC) No. 1272/2008 [CLP]</li> <li>erious eye damage/eye irritation, Category H319</li> <li>kin sensitisation, Category 1</li> <li>H317</li> <li>ull text of H statements : see section 16</li> <li>dverse physicochemical, human health and environmental effects</li> <li>lay cause an allergic skin reaction. Causes serious eye irritation.</li> <li>2. Label elements</li> <li>aballing according to Regulation (EC) No. 1272/2008 [CLP]</li> <li>agard pictograms (CLP)</li> <li>i Warning</li> <li>agard pictograms (CLP)</li> <li>i Warning</li> <li>causes an allergic skin reaction. H317 - Vacuse an allergic skin reaction.</li> <li>H317 - Vacuse an allergic skin reaction.</li> <li>H317 - Vacuse an allergic skin reaction.</li> <li>ensure that the ensure the ensure the ensure that the ensure then</li></ul>	.3. Details of the supplier of the safe	ety data sheet
13127 +86-519-68193649 - F +86-519-85204327 ales3@hickchem.com 4. Emergency telephone number mergency number : +86-15195011207 ECTION 2: Hazards identification : 1. Classification of the substance or mixture Lassification according to Regulation (EC) No. 1272/2008 [CLP] erious eye damage/eye irritation, Category H319 kin sensitisation, Category 1 H317 ull text of H statements : see section 16 dverse physicochemical, human health and environmental effects lay cause an allergic skin reaction. Causes serious eye irritation. 2. Label elements abelling according to Regulation (EC) No. 1272/2008 [CLP] azard pictograms (CLP) : Warning azard pictograms (CLP) : Warning azard statements (CLP) : Warning azard statements (CLP) : P281 - Avoid breathing dus/fume/gas/mist/vapours/spray, P280 - Avoid breathing dus/fume/gas/mist/vapours/spray, P280 - Avoid breathing dus/fume/gas/mist/vapours/spray, P280 - Avoid breathing dus/fume/gas/mist/vapours/spray, P281 - Avoid breathing dus/fume/gas/mist/vapours/spray, P280 - P351+P336 - IF IN EYES: Rinse catioous) with water for several minutes. Remov contact lenses, if present and easy to do. Continue misnig. P337+P338 - IF IN EYES: Rinse catioolary with water conserved minutes. Remov contact lenses, if present and easy to do. Continue misnig. P337+P338 - IF IN EYES: Rinse catical advice/attention. P304 - P354 - P354 - IF IN EYES: Rinse catical advice/attention. P305 - P354 - P354 - IF IN EYES: Rinse catical advice/attention. P307 - P337 - P338 - IF IN EYES: Rinse catical advice/attention. P307 - P337 - P338 - IF IN EYES: Rinse catical advice/attention. P307 - P337 - P338 - IF IN EYES: Rinse catical advice/attention.	hangzhou Hickory Chemical Co., LTD.	
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Signal word (CLP)       : Warning         Hazard statements (CLP)       : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.         Precautionary statements (CLP)       : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in	Adverse physicochemical, human health May cause an allergic skin reaction. Causes 2.2. Label elements	serious eye irritation.
Signal word (CLP)       : Warning         Hazard statements (CLP)       : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.         Precautionary statements (CLP)       : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in	Adverse physicochemical, human health May cause an allergic skin reaction. Causes 2.2. Label elements Labelling according to Regulation (EC) No	serious eye irritation.
ignal word (CLP)       : Warning         lazard statements (CLP)       : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.         recautionary statements (CLP)       : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in	Adverse physicochemical, human health May cause an allergic skin reaction. Causes .2. Label elements abelling according to Regulation (EC) No	serious eye irritation.
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<ul> <li>H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.</li> <li>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in</li> </ul>	dverse physicochemical, human health lay cause an allergic skin reaction. Causes .2. Label elements abelling according to Regulation (EC) No	serious eye irritation.
H319 - Causes serious eye irritation. recautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in	dverse physicochemical, human health flay cause an allergic skin reaction. Causes .2. Label elements abelling according to Regulation (EC) No lazard pictograms (CLP)	serious eye irritation.
P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in	dverse physicochemical, human health lay cause an allergic skin reaction. Causes .2. Label elements abelling according to Regulation (EC) No azard pictograms (CLP)	serious eye irritation. <b>b. 1272/2008 [CLP]</b> : GHS07 : Warning
	Adverse physicochemical, human health May cause an allergic skin reaction. Causes .2. Label elements abelling according to Regulation (EC) No lazard pictograms (CLP)	serious eye irritation. <b>b. 1272/2008 [CLP]</b> : : : GHS07 : Warning : H317 - May cause an allergic skin reaction.
	Adverse physicochemical, human health May cause an allergic skin reaction. Causes 2.2. Label elements Labelling according to Regulation (EC) No Hazard pictograms (CLP)	<ul> <li>serious eye irritation.</li> <li><b>b. 1272/2008 [CLP]</b> <ol> <li>Image: Constant of the series of the serie</li></ol></li></ul>

### vPvB: not yet assessed

according to Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

#### 3.1. Substances

### Not applicable

#### 3.2. **Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Hydroxypropyl Methacrylate (2-HPMA)	(CAS-No.) 27813-02-1 (EC-No.) 248-666-3	99	Skin Sens. 1H317 Eye Irrit. 2 H319
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	1	Not classified

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice if necessary.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after 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.
First-aid measures after ingestion	: Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Indication of any immediate medica	al attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2. Special hazards arising from the su	ibstance or mixture
Fire hazard	: In case of fire, irritating gases come free.
Hazardous decomposition products in case of	: Toxic fumes may be released.
fire	
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	sures
6.1. Personal precautions, protective ed	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment. Do not allow	into drains or water courses.
6.3. Methods and material for containm	ent and cleaning up
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
5/13/2020	EN (English) 2/7

## 2-Hydroxypropyl Methacrylate (2-HPMA)

Safety Data Sheet

according to Regulation (EU) 2015/830

Hygier	ne measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, i	ncluding any incompatibilities
Storag	e conditions	: Store in a well-ventilated place. Keep cool.
		Store the products in cool, shady and ventilated conditons.
		Keep far away from fire.
		6 months from date of delivery at a maximum storage temperature of 30 °C.
7.3.	Specific end use(s)	
No info	ormation available.	
SECT	<b>FION 8: Exposure controls</b>	/personal protection
8.1.	Control parameters	

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls:

Avoid release to the environment.

### SECTION 9: Physical and chemical properties

9.1. Information on basic physica	al and chemical properties
Physical state	: Liquid
Colour	: Clear.
Odour	: Slight pungent odour
Odour threshold	: No data available
рН	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1	1) : No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: <b>-58</b> ℃
Boiling point	: 240℃(760mm Hg)
Flash point	: 96°C (OPEN CUP)
Critical temperature	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Critical pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixt	ure : No data available

according to Regulation (EU) 2015/830

Density	: 1.066
	(WATER=1@20℃)
Relative gas density	: No data available
Solubility	: Dissolved in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 9.28 mPa•s (25℃)
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available
Color(Pt-Co)	: <=20#
Inhabitor	: 200±40ppm(MEHQ)
Refractive index	: N20/D 1.4470(lit.)

#### **Other information** 9.2.

No additional information available

SECTION 10: Stability and reactivity			
10.1. Reactivity	10.1. Reactivity		
The product is non-reactive under normal conditions of use, storage and transport.			
10.2. Chemical stability			
Stable under normal conditions.			
10.3. Possibility of hazardous reactions			
No dangerous reactions known under normal cond	ditions of use.		
10.4. Conditions to avoid			
None under recommended storage and handling of	conditions (see section 7).		
10.5. Incompatible materials			
Strong acids. Strong bases. Strong oxidizing agen	its.		
10.6. Hazardous decomposition products			
Under normal conditions of storage and use, haza	rdous decomposition products should not be produced.		
SECTION 11: Toxicological information	on		
11.1. Information on toxicological effects			
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
2-Propenoic acid, 2-methyl-, monoester with	1,2-propanediol (27813-02-1)		
LD50 oral rat	11200 mg/kg		
LD50 dermal rabbit	> 3000 mg/kg		
Water (7732-18-5)			
LD50 oral rat	> 90 ml/kg		
Skin corrosion/irritation	: Not classified		
	pH: no data available		
Serious eye damage/irritation	: Causes serious eye irritation.		
	pH: no data available		
Respiratory or skin sensitisation	: May cause an allergic skin reaction.		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		

2-Hydroxypropyl Methacrylate (2-HPMA)         Persistence and degradability       No information available.         12.3. Bioaccumulative potential         2-Hydroxypropyl Methacrylate (2-HPMA)         Log Pow       no data available         Bioaccumulative potential       No information available.         2-Propencic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)       Log Pow         Log Pow       0.97         12.4.       Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)       Ecology - soil         Ecology - soil       No information available.         2-Hydroxypropyl Methacrylate (2-HPMA)       Ecology - soil         PBT: not yet assessed       vPvB: not yet assessed         vPvB: not yet assessed       VPVB: not yet assessed         12.6.       Other adverse effects       : No information available.         SECETION 13: Disposal considerations       Iso assessed       Iso assessed         13.1.       Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECETION 14: Transport information	Aspiration hazard	:	Not classified		
12.1. Toxicity <ul> <li>Cology - general</li> <li>The product is not considered hamful to aquatic organisms nor to cause long-term adverse effects in the environment.</li> <li>Aquie aquatic toxicity</li> <li>Not classified</li> </ul> Chronic aquatic toxicity <ul> <li>Not classified</li> <li>Not classified</li> </ul> 2.1. Persistence and degradability <ul> <li>Not classified</li> </ul> 2.1. Persistence and degradability             2.1. Persistence and degradability         No information available.           12.3. Bioaccumulative potential <ul> <li>no data available</li> <li>Log Pow</li> <li>no data available</li> <li>Log Pow</li> <li>no data available</li> <li>Log Pow</li> <li>0.9 Propenoic acid, 2-methyl-, monoester with 1-2-propanediol (27813-02-1)</li> <li>Log Pow</li> <li>0.9 Pow</li> <li>1.9 Pow</li> <li>0.9 Pow</li> <li>0.9 Pow</li> <li>1.9 Pow</li> <li>0.9 Pow</li> <li>0.9 Pow</li> <li>0.9 Pow</li> <li>0.9 Pow</li> <li>0.9 Po</li></ul>	SECTION 12: Ecolo	gical information			
Ecology - general       : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.         Veute aquatic toxicity       : Not classified         21.2. Persistence and degradability       : Not classified         21.2. Persistence and degradability       No information available.         22.4. Persistence and degradability       No information available.         23. Bioaccumulative potential       No information available.         24. Morosypropyl Methacrylate (2-HPMA)		5			
Acute aquatic toxicity : Not classified The classified is not cl		:		harmful to aquatic organisms	nor to cause long-term adverse
Chronic aquatic toxicity       i. Not classified         21.2. Persistence and degradability       No information available.         Persistence and degradability       No information available.         23. Bioaccumulative potential       no data available         24.ydroxypropyl Methacrylate (2+HPMA)       Internation available         Log Pow       no data available         Log Kow       no data available         Bioaccumulative potential       No information available.         24.ydroxypropyl Methacrylate (2+HPMA)       Internation available.         Log Pow       0.97         24.ydroxypropyl Methacrylate (2+HPMA)       Internation available.         24.ydroxypropyl Methacrylate (2+HPMA)       Internation available.         24.ydroxypropyl Methacrylate (2+HPMA)       Internation available.         25. Results of PBT and YPVB assessed       Internation available.         25. Results of PBT and YPVB assessed       Internation available.         25. Results of PBT and YPVB assessed       Internation available.         25. Results of PBT and YPVB assessed       Internation available.         26. Other adverse effects       Internation available.         26. Other adverse effects       Internation available.         27. Results of PBT and YPVB assessed       Internation available.         27. Ma	Acute aquatic toxicity	:	Not classified		
2-Hydroxypropyl Methacrylate (2-HPMA)           Persistence and degradability         No information available.           2.3.         Bioaccumulative potential           2-Hydroxypropyl Methacrylate (2-HPMA)         odata available           Log Pow         no data available           Bioaccumulative potential         No information available.           2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)         Log Pow           2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)         Log Pow           12.4.         Mobility in soil		:	Not classified		
Persistence and degradability       No information available.         12.3. Bioaccumulative potential         2-Hydroxypropyl Methacrytate (2-HPMA)         Log Pow       no data available         Bioaccumulative potential       No information available.         Bioaccumulative potential       No information available.         Bioaccumulative potential       No information available.         2-Propencic acid, 2-methyl-, moneester with 1.2-propanediol (27813-02-1)       Log Pow         Log Pow       0.97         2-Hydroxypropyl Methacrytate (2-HPMA)       Ecology - soil         Ecology - soil       No information available.         2-Hydroxypropyl Methacrytate (2-HPMA)       Ecology - soil         PBT: not yet assessed       No information available.         12.5. Results of PBT and vPvB assessment       Z-Hydroxypropyl Methacrytate (2-HPMA)         PBT: not yet assessed       VPvB: not yet assessed         vPvB: not yet assessed       Intersection available.         SECTION 13: Disposal considerations       Isopose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information       Ibipose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Intransport information       Intat       ADN       RID         14.1	12.2. Persistence ar	d degradability			
2.3. Bioaccumulative potential         2-Hydroxypropyl Methacrylate (2-HPMA)         Log Pow       no data available         log Kow       no data available         Bioaccumulative potential       No information available.         2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)	2-Hydroxypropyl Meth	acrylate (2-HPMA)			
2-Hydroxypropyl Methacrylate (2-HPMA)         Log Pow       no data available         Log Kow       no data available         Bioaccumulative potential       No information available.         2-Propenoic acid, 2-methyl-, moncester with 1, 2-propanediol (27813-02-1)         Log Pow       0.97         12.4.       Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         12.5.       Results of PBT and vPVB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed	Persistence and degrad	ability	No information available.		
Log Pow         no data available           Log Kow         no data available           Bioaccumulative potential         No information available.           2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)         Log Pow           Log Pow         0.97           12.4.         Mobility in soil           2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil           Ecology - soil         No information available.           2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil           PBT: not yet assessed         No information available.           2-Hydroxypropyl Methacrylate (2-HPMA)         Ferster State	12.3. Bioaccumulati	ve potential			
Log Kow       no data available         Bioaccumulative potential       No information available.         2-Propencic acid, 2-methyl-, moncester with 1,2-propanedicl (27813-02-1)       Log Pow         Log Pow       0.97         12.4.       Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)       Ecology - soil         Ecology - soil       No information available.         12.5.       Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)       Ferrorestrict (2-HPMA)         PBT: not yet assessed       VPVB: not yet assessed         vPvB: not yet assessed       VPVB: not yet assessed         VPVB: not yet assessed       Information available.         SECTION 13: Disposal considerations       Information available.         SECTION 13: Disposal considerations       Information available.         SECTION 14: Transport information       Information available.         SECTION 14: Transport information       Information available.         SECTION 14: Transport information       Information available.         ADR       IMDG       IATA         ADN       RID         14.1.       UN number       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable<	2-Hydroxypropyl Meth	acrylate (2-HPMA)			
Bioaccumulative potential       No information available.         2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)	Log Pow		no data available		
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)         Log Pow       0.97         12.4.       Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         12.5.       Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         I4.1.       UN number       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable	Log Kow		no data available		
Log Pow       0.97         12.4.       Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         12.5.       Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         I4.1.       UN number       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable	Bioaccumulative potenti	al	No information available.		
12.4. Mobility in soil         2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         12.5. Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         12.6. Other adverse effects         2.10.1. Other adverse effects         2.11. Waste treatment methods         Waste treatment methods         Waste treatment methods         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG         ADR       IMDG         I4.1. UN number       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable	2-Propenoic acid, 2-m	ethyl-, monoester with 1,	2-propanediol (27813-02-1)		
2-Hydroxypropyl Methacrylate (2-HPMA)         Ecology - soil       No information available.         12.5.       Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         SECTION 13: Disposal considerations         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         14.1.       UN number       Not applicable       Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable	Log Pow		0.97		
Ecology - soil       No information available.         12.5.       Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPv8: not yet assessed         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information       IMDG         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMD         IMD       Not applicable         Not applicab	12.4. Mobility in soi				
12.5. Results of PBT and vPvB assessment         2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         state reatment methods         State treatment methods         Naste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         State in accordance with ADR / RID / IMDG / IATA / ADN </td <td>2-Hydroxypropyl Meth</td> <td>acrylate (2-HPMA)</td> <td></td> <td></td> <td></td>	2-Hydroxypropyl Meth	acrylate (2-HPMA)			
2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         12.6. Other adverse effects         Dther adverse effects         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Waste treatment methods         Waste treatment methods         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG         IMDG       IATA         ADR       IMDG         IA1.       UN applicable         Not applicable       Not applicable         Not applicable       Not applicable         IA2.       UN proper shipping name         Not applicable       Not applicable       Not applicable	Ecology - soil		No information available.		
2-Hydroxypropyl Methacrylate (2-HPMA)         PBT: not yet assessed         vPvB: not yet assessed         vPvB: not yet assessed         12.6. Other adverse effects         Dther adverse effects         ECTION 13: Disposal considerations         13.1. Waste treatment methods         Waste treatment methods         Maste treatment methods         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG         IMDG       IATA         ADN       RID         14.1. UN number       Not applicable         Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable	12.5. Results of PB	and vPvB assessment			
PBT: not yet assessed         vPvB: not yet assessed         v12.6. Other adverse effects         Other adverse effects         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Waste treatment methods         Waste treatment methods         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG         IMDG       IATA         ADN       RID         14.1. UN number       Not applicable         Not applicable       Not applicable         Not applicable       Not applicable         Not applicable       Not applicable         Not applicable       Not applicable		acrylate (2-HPMA)			
vPvB: not yet assessed         12.6.       Other adverse effects         Dther adverse effects       : No information available.         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information       IMDG / IATA / ADN         ADR       IMDG / IATA / ADN         ADR       IMDG       IATA         ADR       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable					
Other adverse effects       : No information available.         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         14.1. UN number         Not applicable       Not applicable       Not applicable       Not applicable         14.2. UN proper shipping name       Not applicable       Not applicable       Not applicable					
Other adverse effects       : No information available.         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Waste treatment methods         Waste treatment methods         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         14.1. UN number         Not applicable       Not applicable       Not applicable       Not applicable         14.2. UN proper shipping name       Not applicable       Not applicable       Not applicable	12.6 Other advarca	offecto			
SECTION 13: Disposal considerations         13.1. Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information			No information available		
13.1. Waste treatment methods         Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information			No information available.		
Waste treatment methods       : Dispose of contents/container in accordance with licensed collector's sorting instructions.         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         ADR       IMDG       IATA       ADN       RID         I4.1. UN number         Not applicable       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable       Not applicable	SECTION 13: Dispo	sal considerations			
SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         ADR       IMDG       IATA       ADN       RID         14.1. UN number         Not applicable       Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable         Not applicable       Not applicable       Not applicable       Not applicable	13.1. Waste treatme	nt methods			
In accordance with ADR / RID / IMDG / IATA / ADN         ADR       IMDG       IATA       ADN       RID         14.1.       UN number       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable         14.2.       UN proper shipping name       Not applicable       Not applicable       Not applicable       Not applicable	Naste treatment methods	:	Dispose of contents/container	in accordance with licensed c	ollector's sorting instructions.
ADR IMDG / IATA / ADN RID ADR IMDG / IATA / ADN RID 14.1. UN number Not applicable Not applicable Not applicable Not applicable Not applicable 14.2. UN proper shipping name Not applicable Not applicable Not applicable Not applicable Not applicable	SECTION 14. Trans	port information			
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UN number           Not applicable         Not applicable         Not applicable         Not applicable           I4.2.         UN proper shipping name         Not applicable         Not applicable         Not applicable           Not applicable         Not applicable         Not applicable         Not applicable         Not applicable				ADN	RID
Not applicable         Not applicable         Not applicable         Not applicable           14.2.         UN proper shipping name         Not applicable         Not applicable         Not applicable           Not applicable         Not applicable         Not applicable         Not applicable         Not applicable					
Not applicable         Not applicable         Not applicable         Not applicable         Not applicable		Not applicable	Not applicable	Not applicable	Not applicable
				1	
	Not applicable		Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

**Environmental hazards** 

Packing group

Not applicable

Not applicable

Not applicable

### - Overland transport

Not applicable

Not applicable

Not applicable

Not applicable

14.4.

14.5.

### - Transport by sea

Not applicable

### - Air transport

Not applicable

## 2-Hydroxypropyl Methacrylate (2-HPMA)

Safety Data Sheet

according to Regulation (EU) 2015/830

### - Inland waterway transport

Not applicable

### - Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### 15.1.2. National regulations

#### Germany

VwVwS Annex reference	:	Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 2)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Netherlands		
SZW-lijst van kankerverwekkende stoffen	:	None of the components are listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed
Denmark		
Recommendations Danish Regulation	:	Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Abbreviations and acronyms:			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE	Acute Toxicity Estimate		
BLV	Biological limit value		
CAS-No.	Chemical Abstract Service number		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC50	Median effective concentration		
EC-No. European Community number			
EN	European Standard		
ΙΑΤΑ	International Air Transport Association		

according to Regulation (EU) 2015/830

IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	
Full text of H- and EUH-statements:	·	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product