300<u>646</u>

#### NX3 DUAL CURE (Base)

**04/09/2019** Version: 4.1



# Safety Data Sheet NX3 DUAL CURE (Base)

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

: Preparation intended for dental medical use

#### 1.1. Product identifier

Product name

: NX3 DUAL CURE (Base)

: Professional use

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

### Relevant identified uses

Main use category

Use of the substance/mixture

#### Uses advised against

No additional information available

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

#### Supplier

KERRHAWE S.A. Via Strecce n°4 6934 Bioggio (Switzerland) T 00-800-41-050-505 Manufacturer Kerr Corporation 1717 West Collins Avenue 92867 Orange – CALIFORNIA (U.S.A.) T 00-800-41-050-505

Contact person : safety@kavokerr.com - tel. 00-800-41-050-505 (08.00-17.00)

#### 1.4. Emergency telephone number

Emergency number

: CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

Country	Organisation/Company	Address	Emergency number
Gibraltar	GHA Call Centre Zone 2, Level3, St Bernard's Hospital	Harbour Views Road	+350 200 79700 +350 200 72266
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

### **SECTION 2: HAZARDS IDENTIFICATION**

2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

H315
H319
H317
H335

Full text of hazard classes and H-statements : see section 16

2.2. Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       :         Signal word (CLP)       :         Hazardous ingredients       : 2-hydroxyethyl methacrylate; (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl]) bismethacrylate; 2,2-ethylenedioxydiethyl dimethacrylate; 7,7.9(or 7,9.9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate; 3-Methacrylate within trifluorid; ethoxylated Bisphenol A-dimethacrylate         Hazard statements (CLP)       : H315 - Causes skinitritation         H317 - May cause an allergic skin reaction         H335 - May cause an allergic skin reaction         H336 - May cause an allergic skin reaction         H337 - May cause an allergic skin reaction         H336 - May cause respiratory irritation         Precautionary statements (CLP)       : P261 - Avoid breathing vapours         P264 - Wash hands thoroughy after handling         P272 - Contaminated work (othring should not be allowed out of the workplace         P280 - Wear eye protection, protective gloves         P302+P332 - IF IN SKIN: Wash with plenty of soap and water         P304+P333 - IF IN EYES: Rinse cautiously with water for several minutes. Remocrontatele for breathing         P312 - Call a POISON CENTER or doctor/physician if you feel unwell         P334+P313 - If skin irritation parisis: Get medical advice/attention         P334+P313 - I f skin irrit	300646	NX3 DUAL CURE (Base)	04/09/201
Hazard pictograms (CLP)       :         Signal word (CLP)       :         Hazardous ingredients       :         2-hydroxyethyl methacrylate; (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl]) bismethacrylate; 2.2-entylenedioxydiethyl dimethacrylate; 3- Methacrylate; 2.2-entylenedioxydiethyl dimethacrylate; 3- Methacrylate; 2.2-entylenedioxydiethyl dimethacrylate; 3- Methacrylate; 2.2-entylenedioxydiethyl dimethacrylate; 3- Methacrylate; 3-10-dixploxpropyltrimethxysilane; Ytterbium trifluorid; ethoxylated Bisphenol A-dimethacrylate         Hazard statements (CLP)       : H315 - Causes skin irritation         H317 - May cause an allergic skin reaction       H319 - Causes serious eye irritation         H315 - Causes serious eye irritation       H335 - May cause respiratory irritation         H335 - May cause respiratory irritation       H335 - May cause respiratory irritation         P261 - Avoid breathing vapours       P264 - Wash hands thoroughly after handling         P272 - Contaminated work clothing should not be allowed out of the workplace       P280 - Wear eye protection, protective gloves         P302+P352 - IF ON SKIN: Wash with plenty of soap and water       P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing         P312 - Call a POISON CENTER or doctor/physician if you feel unwell       P333+P313 - If skin irritation persists: Get medical advice/attention         P362+P364 - Take off contaminated clothing and wash it before reuse       P403+P233 - Store in a well-ventilated place. Keep	2.2. Label elements		
Signal word (CLP)       : Warning         Hazardous ingredients       : 2-hydroxyethyl methacrylate; (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate; 2,2'-ethylenedioxydiethyl dimethacrylate; 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate; 3-Methacryloxypropyltrimethoxysilane; Ytterbium trifluorid; ethoxylated Bisphenol A-dimethacrylate         Hazard statements (CLP)       : H315 - Causes skin irritation         H317 - Nay cause an allergic skin reaction       H319 - Causes serious eye irritation         H315 - Causes serious eye irritation       H317 - Navi diverating vapours         Precautionary statements (CLP)       : P261 - Avoid breathing vapours         P264 - Wash hands thoroughly after handling       P272 - Contaminated work clothing should not be allowed out of the workplace         P280 - Wear eye protection, protective gloves       P302+P352 - IF ON SKIN: Wash with plenty of soap and water         P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing       P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remo contact leness, if present and easy to 0. Continue rinsing         P312 - Call a POISON CENTER or doctor/physician if you feel unwell       P333+P313 - If skin irritation persist: Get medical advice/attention         P364-P364 - Take off contaminated clothing and wash ib before reuse       P403+P23 - Store in a well-ventilated place. Keep container tightly closed	Labelling according to Regulation (E0	C) No. 1272/2008 [CLP]	
Hazardous ingredients       : 2-hydroxyethyl methacrylate; (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate; 2,2'-ethylenedioxydiethyl dimethacrylate; 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-5,12-diazahexadecane-1,16-diyl bismethacrylate; 3-Methacrylate         Hazard statements (CLP)       : H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H335 - May cause respiratory irritation         Precautionary statements (CLP)       : P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P334-P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P233 - Store in a well-ventilated place. Keep container tightly closed P501 - Dispose of contents/container to hazardous or special waste collection point, in	Hazard pictograms (CLP)	GHS07	
<ul> <li>propanediyl)[ bismethacrylate; 2,2'-ethylenedioxydiethyl dimethacrylate; 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate; 3-Methacryloxypropyltrimethoxysilane; Ytterbium trifluorid; ethoxylated Bisphenol A-dimethacrylate</li> <li>Hazard statements (CLP)</li> <li>H315 - Causes skin irritation H319 - Causes serious eye irritation H325 - May cause respiratory irritation</li> <li>Precautionary statements (CLP)</li> <li>P 261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P304+P334 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing P312 - Ccall a POISON CENTER or doctor/physician if you feel unwell P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Tak eoff contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P501 - Dispose of contents/container to hazardous or special waste collection point, in</li> </ul>	Signal word (CLP)	: Warning	
<ul> <li>H317 - May cause an allergic skin reaction</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> <li>Precautionary statements (CLP)</li> <li>P261 - Avoid breathing vapours</li> <li>P264 - Wash hands thoroughly after handling</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention</li> <li>P337+P313 - If see irritation persists: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P501 - Dispose of contents/container to hazardous or special waste collection point, in</li> </ul>	Hazardous ingredients	propanediyl)] bismethacrylate; 2,2'-ethylenedioxydiethyl dimethacry trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bis Methacryloxypropyltrimethoxysilane; Ytterbium trifluorid; ethoxylate	late; 7,7,9(or 7,9,9)- smethacrylate; 3-
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	Precautionary statements (CLP)	<ul> <li>P264 - Wash hands thoroughly after handling</li> <li>P272 - Contaminated work clothing should not be allowed out of the</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P304+P340 - IF INHALED: remove victim to fresh air and keep at recomfortable for breathing</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for service contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unw</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/att</li> <li>P362+P364 - Take off contaminated clothing and wash it before reu</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly</li> <li>P501 - Dispose of contents/container to hazardous or special waster</li> </ul>	est in a position veral minutes. Remove ell ention use v closed e collection point, in
<ul> <li>Extra phrases</li> <li>The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1272/2008, article 1, paragraph 5d).</li> <li>A safety data sheet is not required for this product under Article 31 of REACH. This Proc Safety Information Sheet has been created on a voluntary basis</li> </ul>	Extra phrases	regulation 1272/2008, article 1, paragraph 5d). A safety data sheet is not required for this product under Article 31	

#### 2.3. Other hazards

Other hazards not contributing to the	: None under normal conditions.
classification	
This substance/mixture does not meet the P	BT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

# SECTION 3: COMPOSITION/INFORMATION ONINGREDIENTS

#### 3.1. Substances

Not applicable

#### **Mixtures** 3.2.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-hydroxyethyl methacrylate (Note D)	(CAS-No.) 868-77-9 (EC-No.) 212-782-2 (EC Index-No.) 607-124-00-X (REACH-no) 01-2119490169-29	1 - 20	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317
(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)] bismethacrylate	(CAS-No.) 1565-94-2 (EC-No.) 216-367-7 (REACH-no) N/A	1 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2,2'-ethylenedioxydiethyl dimethacrylate	(CAS-No.) 109-16-0 (EC-No.) 203-652-6 (REACH-no) 01-2119969287-21	1 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12- diazahexadecane-1,16-diyl bismethacrylate	(CAS-No.) 72869-86-4 (EC-No.) 276-957-5 (REACH-no) 01-2119408252-52	1 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335

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Ytterbium trifluorid	(CAS-No.) 13760-80-0 (EC-No.) 237-354-2 (REACH-no) N/A	5 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
ethoxylated Bisphenol A-dimethacrylate	(CAS-No.) 41637-38-1 (EC-No.) 609-946-4 (REACH-no) 01-2119980659-17	5 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
3-Methacryloxypropyltrimethoxysilane	(CAS-No.) 2530-85-0 (EC-No.) 219-785-8 (REACH-no) 01-2119513216-50	0.5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	

Full text of H-statements: see section 16

Full text of H-statements: see section 16	
SECTION 4: FIRST AID MEASURES	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eve irritation.
	al attention and special treatment needed
	when symptoms persist, seek medical attention.
SECTION 5: FIREFIGHTING MEASU	RES
5.1. Extinguishing media	
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	ubstance or mixture
Fire hazard	: Non flammable.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: irritating vapours. Carbon oxides (CO, CO2).
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper personal protective equipment, including respiratory protection.
SECTION 6: ACCIDENTAL RELEAS	EMEASURES
6.1. Personal precautions, protective ed	quipment and emergency procedures
General measures	: Avoid contact with skin and eyes. Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact. Provide good ventilation in process area to prevent formation of vapour.
For non-emergency personnel	
Protective equipment	: See Heading 8.
Emergency procedures	: Evacuate unnecessary personnel.
<b>C </b>	
For emergency responders	<b>-</b> • • • • • • • • •
Protective equipment	: Equip cleanup crew with proper protection.
Emergeney presedures	· Ventilete eree

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

: Ventilate area.

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

**Environmental precautions** 

For containment

6.2.

Emergency procedures

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

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Methods for cleaning up	: Large spills: scoop solid spill into closing containers. Soak up spills with	inert solids, such as
2 .	clay or diatomaceous earth as soon as possible. Store away from othe	er materials.

#### 6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

STORAGE
ng
: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours. Use only outdoors or in a well-ventilated area.
: Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
e, including any incompatibilities
: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store in original container.
: Oxidizing substances. reducing materials. Organic peroxides. Amines. Sources of ignition. Direct sunlight.
TROLS/PERSONALPROTECTION
: Ensure good ventilation of the work station.
: Gloves. Safety glasses. Avoid all unnecessary exposure.
: Wear suitable gloves. Nitrile rubber gloves. Layer thickness : 0,2 - 0,4 mm. Breakthrough time : >480 min. STANDARD EN 374.
: Chemical goggles or safety glasses. STANDARD EN 166.
: Wear suitable protective clothing
: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Gas mask with filter type. A. EN 140. EN 405
: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.
CHEMICAL PROPERTIES
cal and chemical properties
: Liquid
: Paste.

рН	: Not determined
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Notdetermined
Flash point	: Notdetermined
Auto-ignition temperature	: Notdetermined
Decomposition temperature	: Notdetermined
Flammability (solid, gas)	: Nonflammable

: Various.

: Notdetermined

: Fruity.

Colour

Odour

Odour threshold

SDS EU v4.1 EN (English)

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Vapour pressure	: Notdetermined
Relative vapour density at 20 °C	: Notdetermined
Relative density	: 2 - 2.5 g/cm3
Solubility	: Material insoluble in water.
Log Pow	: Notdetermined
Viscosity, kinematic	: Notdetermined
Viscosity, dynamic	: Notdetermined
Explosive properties	: Product is not explosive.
Oxidising properties	: Nonflammable.
Explosive limits	: Notdetermined

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# 9.2. Other information

No additional information available

# SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

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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 conditions of use. No polymerization.

#### 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

# 10.5. Incompatible materials

Oxidizing agent. reducing materials. Organic peroxides. Amines.

### 10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION				
11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
2-hydroxyethyl methacrylate (868-77-9)				
LD50 oral rat	5050 mg/kg			
LD50 dermal rabbit	> 3000 mg/kg			
2,2'-ethylenedioxydiethyl dimethacrylate (10	9-16-0)			
LD50 oral rat	10837 mg/kg			
3-Methacryloxypropyltrimethoxysilane (2530	-85-0)			
LD50 oral rat	> 30000 mg/kg			
LD50 dermal rabbit	> 15000 mg/kg			
Skin corrosion/irritation	: Causes skin irritation.			
	pH: Not determined			
Serious eye damage/irritation	: Causes serious eye irritation.			
	pH: Not determined			
Respiratory or skin sensitisation	: May cause an allergic skin reaction.			
Germ cell mutagenicity	: Not classified			
	Based on available data, the classification criteria are not met			
Carcinogenicity	Not classified			
	Based on available data, the classification criteria are not met			
Reproductive toxicity	: Not classified			
	Based on available data, the classification criteria are not met			
STOT-single exposure	: May cause respiratory irritation.			
TOT-repeated exposure : Not classified				
	Based on available data, the classification criteria are not met			
Aspiration hazard	: Not classified			
	Based on available data, the classification criteria are not met			

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Potential adverse human health effects and : Ba symptoms

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

#### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

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2-hydroxyethyl methacrylate (868-77-9)		
LC50 fish 1	227 mg/l (96 hours - Pimephales promelas)	
EC50 Daphnia 1	> 280 mg/l Daphnia magna, 48 hours	
IC50 algae	836 mg/l 72 hours - Pseudokirchnerella subcapitata	

#### 12.2. Persistence and degradability

NX3 DUAL CURE (Base)			
Persistence and degradability Not established.			
2-hydroxyethyl methacrylate (868-77-9)			
Biodegradation 84 % (OECD 301D method)			
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86-4)			
Biodegradation	22 % (OECD 301F method)		

#### 12.3. Bioaccumulative potential

NX3 DUAL CURE (Base)				
Log Pow	Not determined			
Bioaccumulative potential	Not established.			
2-hydroxyethyl methacrylate (868-77-9)				
Bioconcentration factor (BCF REACH)	1,3 - 1,5			
Log Pow	0.47			
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86-4)				
Bioconcentration factor (BCF REACH)	1.91			
Log Pow	4.69			
(1-methylethylidene)bis[4,1-phenyleneoxy(2-h	(1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate (1565-94-2)			
Bioconcentration factor (BCF REACH)	2.46			
Log Pow	4.94			
3-Methacryloxypropyltrimethoxysilane (2530-85-0)				
Log Pow	0.75			
12.4. Mobility in soil				
NX3 DUAL CURE (Base)				
Ecology - soil	Material insoluble in water.			

# 12.5. Results of PBT and vPvB assessment

	12.5.			
	NX3 DI	UAL CURE (Base)		
	This su	ibstance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		ibstance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
	12.6.	Other adverse effects		

### Other adverse effects : None to our knowledge.

Additional information : No other effects known. Avoid release to the environment

#### **SECTION 13: DISPOSAL CONSIDERATIONS** 13.1. Waste treatment methods Regional legislation (waste) : Dispose as hazardous waste. Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not discharge into drains. Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Ecology - waste materials : Avoid release to the environment. European List of Waste (LoW) code : 18 01 06\* - chemicals consisting of or containing dangerous substances **SECTION 14: TRANSPORT INFORMATION**

#### CECTION 14: TRANCI ORTINI ORMAN

In accordance with ADR / RID / IMDG / IATA / ADN

300	0646	NX3 DUAL CURE (Base)	04/09/2019	
14.1.	UN number			
Not reg	ulated for transport			
14.2.	UN proper shipping name			
14.3.	Transport hazard class(es)			
14.4.	Packing group			
14.5.	Environmental hazards			
	No supplementary information available			

# 14.6. Special precautions for user

# 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: REGULATORY INFORMATION

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

#### **EU-Regulations**

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	2-hydroxyethyl methacrylate - (1-methylethylidene)bis[4,1- phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate - 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12- diazahexadecane-1,16-diyl bismethacrylate
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	NX3 DUAL CURE (Base) - 2-hydroxyethyl methacrylate - (1- methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate - 2,2'-ethylenedioxydiethyl dimethacrylate - 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16- diyl bismethacrylate - ethoxylated Bisphenol A-dimethacrylate

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

# 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# SECTION 16: OTHER INFORMATION

Indication of changes:

1.3	Email address	Updated		
Data sources		: EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.		
Other information	: None.	: None.		
Date of issue	: 18/09/2013	: 18/09/2013		
Revision date	: 04/09/2019			
Supersedes	: 31/05/2017			
Date of total revision	: 31/05/2017			
Version	: 4.1			
Full text of H- and EUH-statements:				
Eye Irrit. 2	Serious eye	damage/eye irritation, Catego	pry 2	
Skin Irrit. 2	Skin corrosio	on/irritation, Category 2		
Skin Sens. 1	Skin sensitis	ation, Category 1		
STOT SE 3	Specific targ	et organ toxicity — Single exp	oosure, Category 3, Respiratory tract irritation	
H315	Causes skin	irritation		
H317	May cause a	in allergic skin reaction		
SDS EU v4.1 EN (English) 7/8				

300646	NX3 DUAL CURE (Base)	04/09/2019
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.