

Safety Data Sheet 9013 Revision date: 28/12/2022 Version: 1.0

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

1.1. Product identifier				
IUPAC name: Ethylene dimethaProduct code: 9013Formula: C10H14O4	noic acid 1,2-ethanediyl ester crylate			
1.2. Relevant identified uses of the substance or mixture and	uses advised against			
1.2.1. Relevant identified uses         Use of the substance/mixture       : Chemical interme         1.2.2. Uses advised against         No additional information available	diate			
1.3. Details of the supplier of the safety data sheet				
GELEST, INC. 158 Industrial Road Glen Rock, PA 17327 USA T 717-227-1774 - F 717-227-1775 - (M-F): 8:00 AM - 5:30 PM EST info@gelest.com - www.gelest.com GELEST INC. Fritz-Klatte-Strasse 8 65933 Frankfurt Germany T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - info@gelestde.com - www.gelest.com 1.4. Emergency telephone number	4:00 PM			
	00 424 0200 (USA): 14 702 527 2887 (International)			
	00-424-9300 (USA); +1 703-527-3887 (International)			
SECTION 2: Hazards identification				
2.1. Classification of the substance or mixture				
Classification according to Regulation (EC) No. 1272/2008 [CLP]				
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation Skin sensitisation, Category 1 Full text of H- and EUH-statements: see section 16 Specific concentration limits: $(10 \le C \le 100)$	H335 H317 STOT SE 3, H335			
Adverse physicochemical, human health and environmental effects				
May cause respiratory irritation. May cause an allergic skin reaction.				

May cause respiratory irritation. May cause an allergic skin reaction.

Safety Data Sheet

# 2.2. Label elements

Labelling according to Regulation (EC) Hazard pictograms (CLP)	No. 1272/2008 [CLP]
Signal word (CLP)	GHS07 : Warning
Hazard statements (CLP)	: H335 - May cause respiratory irritation. H317 - May cause an allergic skin reaction.
Precautionary statements (CLP)	<ul> <li>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace.</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> </ul>

## 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

# **SECTION 3: Composition/information on ingredients**

3.1. Substances	
Substance type	: Mono-constituent
Name	: BIMAX® EGDMA
CAS-No.	: 97-90-5
EC-No.	: 202-617-2
EC Index-No.	: 607-114-00-5

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethylene dimethacrylate	(CAS-No.) 97-90-5 (EC-No.) 202-617-2 (EC Index-No.) 607-114-00-5	≥ 99	Skin Sens. 1, H317 STOT SE 3, H335

# Specific concentration limits:

Name	Product identifier	Specific concentration limits
	(CAS-No.) 97-90-5 (EC-No.) 202-617-2 (EC Index-No.) 607-114-00-5	( 10 ≤C ≤ 100) STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

# 3.2. Mixtures

Not applicable

# SECTION 4: First aid measures

4.1. Description of first aid measures			
First-aid measures general	: Call a poison center or a d	octor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh ai doctor if you feel unwell.	and keep comfortable for breathing. Call a poison	center or a
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 eyes with water as a	precaution.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		
Print date: 30/12/2022	EN (English)	SDS ID: 9013	2/12

4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact	: May cause respiratory irritation. : May cause an allergic skin reaction.
4.3. Indication of any immediate medical a	ttention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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 measu	res
6.1. Personal precautions, protective equip	oment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
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.	
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
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	: Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal
Hygiene measures	<ul> <li>protective equipment.</li> <li>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.</li> </ul>
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. In case of fire: keep cylinder cool by spraying with water.
7.3. Specific end use(s)	
No additional information available	
Print date: 30/12/2022	EN (English) SDS ID: 9013 3/12

Safety Data Sheet

# SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

# 8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

# No additional information available

## 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

BIMAX® EGDMA (97-90-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.45 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.45 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.83 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.139 mg/l
PNEC aqua (marine water)	0.0139 mg/l
PNEC aqua (intermittent, freshwater)	0.15 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.6 mg/kg dwt
PNEC sediment (marine water)	0.16 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.239 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	57 mg/l

### 8.1.5. Control banding

No additional information available

# 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

# Appropriate engineering controls:

Ensure good ventilation of the work station.

# 8.2.2. Personal protection equipment

# 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

# 8.2.2.2. Skin protection

## Skin and body protection: Wear suitable protective clothing

# Safety Data Sheet

Hand protection:

Protective gloves

### 8.2.2.3. Respiratory protection

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

### Environmental exposure controls:

Avoid release to the environment.

### **SECTION 9: Physical and chemical properties** 9.1. Information on basic physical and chemical properties Physical state : Liquid Colour : Not available Molecular mass : 198.2 g/mol Source: International Chemical Safety Cards Odour : Not available Odour threshold : Not available Melting point : -40 °C Source: International Chemical Safety Cards Freezing point : Not available Boiling point 260 °C Source: International Chemical Safety Cards ÷ Flammability : Not applicable **Explosive limits** : Not available Lower explosion limit Not available ÷ Upper explosion limit Not available 101 °C Source: National Library of Medicine Flash point ÷ Auto-ignition temperature Not available Decomposition temperature Not available · Not available pН Viscosity, kinematic : Not available Solubility Water: 581 mg/l at 25°C Source: National Library of Medicine • Partition coefficient n-octanol/water (Log Kow) : Not available : 1.87 Source: International Chemical Safety Cards Partition coefficient n-octanol/water (Log Pow) : 478 Pa at 20°C Source: International Chemical Safety Cards Vapour pressure Vapour pressure at 50°C : Not available Density : Not available : 1.05 Source: International Chemical Safety Cards Relative density Relative vapour density at 20°C : 6.8 Source: International Chemical Safety Cards Particle characteristics : Not applicable 9.2. Other information

No additional information available

# **SECTION 10: Stability and 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

Hazardous polymerization may occur.

## 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Safety Data Sheet

# **10.5. Incompatible materials**

No additional information available

# **10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

1.1. Information on toxicological effects	S
Acute toxicity	: Not classified
BIMAX® EGDMA (97-90-5)	
LD50 oral rat	3300 mg/kg Source: National Library of Medicine
LD50 dermal rat	<ul> <li>&gt; 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results: other:</li> </ul>
ATE CLP (oral)	3300 mg/kg bodyweight
ethylene dimethacrylate (97-90-5)	
LD50 oral rat	3300 mg/kg Source: National Library of Medicine
LD50 dermal rat	<ul> <li>&gt; 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results: other:</li> </ul>
ATE CLP (oral)	3300 mg/kg bodyweight
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure	<ul> <li>Not classified</li> <li>Not classified</li> <li>May cause an allergic skin reaction.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>May cause respiratory irritation.</li> </ul>
STOT-repeated exposure	: Not classified
BIMAX® EGDMA (97-90-5)	
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study)
ethylene dimethacrylate (97-90-5)	
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study)
Aspiration hazard	: Not classified
Symptoms/effects after inhalation Symptoms/effects after skin contact	<ul><li>May cause respiratory irritation.</li><li>May cause an allergic skin reaction.</li></ul>
ECTION 12: Ecological informatio	n

Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
BIMAX® EGDMA (97-90-5)	
LC50 - Fish [1]	15.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	44.9 mg/l Test organisms (species): Daphnia magna

BIMAX® EGDMA (97-90-	-5)			
NOEC (chronic)	5.4	05 mg/l Test organisms (speci	es): Daphnia magna Duration	: '21 d'
ethylene dimethacrylate	(97-90-5)			
LC50 - Fish [1]	15	5.95 mg/l Test organisms (spe	cies): Danio rerio (previous na	me: Brachydanio rerio)
EC50 - Crustacea [1]	44	I.9 mg/l Test organisms (species): Daphnia magna		
NOEC (chronic)	5.0	05 mg/l Test organisms (speci	es): Daphnia magna Duration	: '21 d'
12.2. Persistence and de	aradability			
lo additional information avail				
12.3. Bioaccumulative po	otential			
ethylene dimethacrylate	(97-90-5)			
Partition coefficient n-octanol	/water (Log Pow) 1.8	87 Source: International Chen	nical Safety Cards	
12.4. Mobility in soil				
lo additional information avail	lable			
12.5. Results of PBT and	l vPvB assessment			
lo additional information avail	lable			
12.6. Endocrine disruptir	ng properties			
No additional information avail				
12.7. Other adverse effect	ots			
lo additional information avai				
lo additional information avail	lable			
SECTION 13: Disposal	l considerations			
SECTION 13: Disposal	l considerations ethods	nose of contents/container in	accordance with licensed colle	ector's sorting instructions
SECTION 13: Disposal 13.1. Waste treatment me Vaste treatment methods	I considerations ethods : Dis	pose of contents/container in	accordance with licensed colle	ector's sorting instructions.
SECTION 13: Disposal 13.1. Waste treatment me Vaste treatment methods SECTION 14: Transpor	l considerations ethods : Dis rt information	pose of contents/container in	accordance with licensed colle	ector's sorting instructions.
SECTION 13: Disposal 13.1. Waste treatment met Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD	I considerations ethods : Dis rt information DG / IATA / ADN / RID			
SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG	pose of contents/container in	accordance with licensed colle	ector's sorting instructions.
SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID methods	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber	ΙΑΤΑ	ADN	RID
SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532			
SECTION 13: Disposal 13.1. Waste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID,	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID,	ΙΑΤΑ	ADN 3532 POLYMERIZING SUBSTANCE, LIQUID,	RID 3532 POLYMERIZING SUBSTANCE, LIQUID,
SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532 14.2. UN proper shipping POLYMERIZING	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.	IATA 3532 Polymerizing substance,	ADN 3532 POLYMERIZING	RID 3532 POLYMERIZING
SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID methods 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.	IATA 3532 Polymerizing substance,	ADN 3532 POLYMERIZING SUBSTANCE, LIQUID,	RID 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.
SECTION 13: Disposal 13.1. Waste treatment methods SECTION 14: Transport ADR 14.1. UN number or ID methods 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. Transport document descri UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol	I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG Umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. iption UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol dimethacrylate), 4.1, III	IATA 3532 Polymerizing substance, liquid, stabilized, n.o.s. UN 3532 Polymerizing substance, liquid, stabilized, n.o.s. (Ethylene glycol dimethacrylate), 4.1,	ADN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol	RID 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.4. Packing group	1			1
III	III	III	III	III
14.5. Environmental ha	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	on available			·
4.6. Special precaution	ns for user			
pecial provisions (ADR) imited quantities (ADR) accepted quantities (ADR) acking instructions (ADR) pecial packing provisions (A ortable tank and bulk contai ortable tank and bulk contai ADR) ank code (ADR) ank special provisions (ADF ehicle for tank carriage ransport category (ADR) pecial provisions for carriag pecial provisions for carriag nd handling (ADR) lazard identification number orange plates	:       0         :       : <td:< td="">       :      :</td:<>	01, IBC03 93, B19 4, TP6 BN(+) 30, TE11 15, CV22 40 3532		
ransport by sea pecial provisions (IMDG) imited quantities (IMDG) xcepted quantities (IMDG) acking instructions (IMDG) pecial packing provisions (IMDG) ack packing instructions (IMDG) ack packing instructions (IMDG) ank special provisions (IMDG) ank special provisions (IMDG) ank special provisions (IMDG) mS-No. (Fire) mS-No. (Spillage) towage category (IMDG) towage and handling (IMDG)	: 274 : 0 : E0 : P0 G) : PP G) : B1 : T7 : T7 : G) : TP : F-J : S-C : D	4, 386 01 93 C03 9 4, TP6 J G		

Safety Data Sheet

### Air transport

Air transport	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 459
PCA max net quantity (IATA)	: 10L
	: 459
	: 25L
	: A209
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: PM1
. ,	: 274, 386
,	: 0
,	: E0
,	: PP
Number of blue cones/lights (ADN)	: 0
•	DIA
	: PM1
	: 274, 386
	: 0
,	: E0
<b>o</b>	: P001, IBC03
	: PP93, B19
	: T7
	: TP4, TP6
	: L4BN(+)
	: TU30, TE11
	: 1030, TETT
	: 2 : W7
Special provisions for carriage – Packages (RID) Special provisions for carriage - Loading, unloading	
Special provisions for carriage - Loaging Unioaging	
and handling (RID)	
	: CE6 : 40
	PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN)

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

# 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

Not listed on REACH Annex XVII

## **POP Regulation (Persistent Organic Pollutants)**

Not listed on the POP list (Regulation EU 2019/1021)

### **REACH Annex XIV (Authorisation List)**

Not listed on REACH Annex XIV (Authorisation List)

## **REACH Candidate List (SVHC)**

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

Safety Data Sheet

### Ozone Regulation (1005/2009) Not listed on the Ozone Depletion list (Regulation EU 1005/2009) VOC Directive (2004/42) VOC content : No additional information available **Explosives Precursors Regulation (2019/1148)** Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) Drug Precursors Regulation (273/2004) Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances) 15.1.2. National regulations Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Germany Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 3; ID No. Water hazard class (WGK) 3111). Hazardous Incident Ordinance (12. BImSchV) Is not subject of the Hazardous Incident Ordinance (12. BImSchV) : **Netherlands** SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen : The substance is not listed SZW-lijst van reprotoxische stoffen - Borstvoeding : The substance is not listed SZW-lijst van reprotoxische stoffen -: The substance is not listed Vruchtbaarheid SZW-lijst van reprotoxische stoffen - Ontwikkeling : The substance is not listed Denmark Young people below the age of 18 years are not allowed to use the product **Danish National Regulations** Switzerland Storage class (LK) : LK 4.1 - Flammable solids

## 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	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	

Safety Data Sheet

Abbreviations and acronyms:			
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
ΙΑΤΑ	International Air Transport Association		
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		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
PBT	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		
N.O.S.	Not Otherwise Specified		
vPvB	Very Persistent and Very Bioaccumulative		
ED	Endocrine disrupting properties		

Full text of H- and EUH-statements:		
H317	May cause an allergic skin reaction.	
H335	May cause respiratory irritation.	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

SDS EU (REACH Annex II) - Custom v22

# according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

© 2022 Gelest Inc. Morrisville, PA 19067

