

# **Safety Data Sheet**

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 2025-01-16 Revision Number 10

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

1.1. Product identifier

Product Code S4863

Product Name SEAP Substrate Solution

Pure substance/mixture

Contains Diethanolamine

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

Mixture

Identified uses For research use only. Not for use in diagnostic procedures

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

**Supplier** 

USA:

Takara Bio USA, Inc. 2560 Orchard Parkway San Jose, CA 95131, USA Phone: 800.662.2566/888.251.6618

Web: www.takarabio.com

Europe:

Takara Bio Europe S.A.S. 34, Rue de la Croix de Fer 78100 Saint-Germain-en-Laye, France

Phone: +33.1.39.04.68.80

Web: www.takarabio.com

Europe:

Takara Bio Europe AB Arvid Wallgrens Backe 20, SE-413 46 Göteborg, Sweden Phone: +46.31.758.09.00

Web: www.takarabio.com

India:

DSS Takara Bio India Pvt. Ltd. A-5 Mohan Co-operative Industrial Estate, Mathura Road,

New Delhi 110044, India

Phone: +91.1800.212.4922 (Toll free)

Web: www.takarabio.com

For further information, please contact:

#### 1.4. Emergency telephone number

Emergency telephone In case of emergency, call PERS (Professional Emergency Resource Services)

1-800-633-8253 (US) or 801-629-0667 (international).

Marco Marano CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA
Roma, Piazza Sant'Onofrio,4 00165 0668593726

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to

Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

#### 2.2. Label elements





Signal word Danger

#### **Hazard statements**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H373 - May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe dust, fume, gas, mist, vapors and spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves

P280 - Wear protective gloves, eye protection and face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

#### **Additional information**

This product requires tactile warnings if supplied to the general public.

#### 2.3. Other hazards

Harmful to aquatic life.

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

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

R	evis	sion	Date	2025-	-01-1	16

Chemical name	Weight-%	REACH registration	EC No (EU	Classification according	Specific	M-Factor	M-Factor
		number	Index No)	to Regulation (EC) No.	concentration		(long-term)
				1272/2008 [CLP]	limit (SCL)		
Diethanolamine	10 - 20	No data available	203-868-0	Acute Tox. 4 (H302)	-	-	-
111-42-2			(603-071-00-1)	Skin Irrit. 2 (H315)			
				Eye Dam. 1 (H318)			
				STOT RE 2 (H373)			

#### Full text of H- and EUH-phrases: see section 16

#### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50	Inhalation LC50 - 4	Inhalation LC50 - 4	Inhalation LC50 - 4
		mg/kg	hour - dust/mist - mg/L	hour - vapor - mg/L	hour - gas - ppm
Diethanolamine 111-42-2	780	13034.07	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Get immediate medical attention. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue

rinsing. Keep eye wide open while rinsing. Do not rub affected area.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an

allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce

vomiting. Call a physician.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** Burning sensation. Itching. Rashes. Hives.

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

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from

and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

### **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off

contaminated clothing and wash before reuse.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Keep out of the reach of children.

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

# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

### **Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Diethanolamine	-	TWA: 0.46 ppm	TWA: 0.2 ppm	TWA: 10 mg/m <sup>3</sup>	TWA: 3 ppm
111-42-2		TWA: 2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>		TWA: 15 mg/m <sup>3</sup>
		STEL 0.92 ppm	Sk*		Sk*
		STEL 4 mg/m <sup>3</sup>			
		Sk*			
		Sh+			
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Diethanolamine	-	TWA: 5 mg/m <sup>3</sup>	TWA: 0.46 ppm	TWA: 3 ppm	TWA: 0.46 ppm
111-42-2		Ceiling: 10 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
			STEL: 0.92 ppm	STEL: 6 ppm	Sk*
			STEL: 4 mg/m <sup>3</sup> Sk*	STEL: 30 mg/m <sup>3</sup> Sk*	
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Diethanolamine	TWA: 3 ppm	TWA: 0.11 ppm	TWA: 1 mg/m <sup>3</sup>	TWA: 3 ppm	i iuliyaly
111-42-2	TWA: 15 mg/m <sup>3</sup>	TWA: 0.11 ppill TWA: 0.5 mg/m <sup>3</sup>	Peak: 1 mg/m <sup>3</sup>	TWA: 3 ppin TWA: 15 mg/m <sup>3</sup>	-
111-42-2	TVVA. 15 mg/m	Sk*	Sk*	1777. 13 mg/m	
		Sh+	skin sensitizer		
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Diethanolamine	TWA: 0.2 ppm	-	TWA: 1 mg/m <sup>3</sup>	-	TWA: 3 ppm
111-42-2	TWA: 1 mg/m <sup>3</sup>		Sk* Ö		TWA: 15 mg/m <sup>3</sup>
	STEL: 0.6 ppm				STEL: 6 ppm
	STEL: 3 mg/m <sup>3</sup>				STEL: 30 mg/m <sup>3</sup>
	Sk*				Sk*
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Diethanolamine	-	-	-	TWA: 3 ppm	TWA: 9 mg/m <sup>3</sup>
111-42-2				TWA: 15 mg/m <sup>3</sup>	Sk*
				STEL: 6 ppm	
	5 .	<u> </u>	01 1:	STEL: 22.5 mg/m <sup>3</sup>	0 .
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Diethanolamine	TWA: 1 mg/m³ Sk*	-	-	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.2 ppm
111-42-2	SK"			TWA: 0.11 ppm STEL: 0.11 ppm	TWA: 1 mg/m³ Sk*
				STEL: 0.11 ppill STEL: 0.5 mg/m <sup>3</sup>	J SK
				Sk*	
Chemical name		Sweden	Switzerland		ited Kingdom
Diethanolamine		V: 3 ppm	TWA: 1 mg/m <sup>3</sup>		-
111-42-2		: 15 mg/m <sup>3</sup>	STEL: 1 mg/m	3	
	Vägledan	de KGV: 6 ppm	Sk*		
	Vägledand	e KGV: 30 mg/m <sup>3</sup>	S+		
		Sk*			

# **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**No information available.

Predicted No Effect Concentration No information available.

(PNEC)

8.2. Exposure controls

**Personal Protective Equipment** 

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

None known

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do **General hygiene considerations** 

not eat, drink or smoke when using this product.

No information available. **Environmental exposure controls** 

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

**Physical state** Liquid

**Appearance** aqueous solution Color Colorless Odor None

No information available **Odor Threshold** 

Remarks • Method Values Property

Melting point / freezing point No data available None known Boiling point/boiling range (°C) No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

**Upper flammability limit:** No data available Lower flammability limit: No data available

Flash point No data available Open cup No data available **Autoignition temperature** None known **Decomposition temperature** None known

Ha No data available None known No data available pH (as aqueous solution) No information available

No data available None known Kinematic viscosity **Dynamic Viscosity** No data available None known Water solubility No data available None known No data available Solubility in other solvents None known No data available **Partition coefficient** None known No data available Vapor pressure None known

Relative density No data available **Bulk Density** No data available **Liquid Density** No data available

No data available Vapor density None known

**Particle characteristics** 

**Particle Size** No information available **Particle Size Distribution** No information available

9.2. Other information

9.2.1. Information with regard to physical hazard classes Not applicable

9.2.2. Other safety characteristics

No information available

# **SECTION 10: Stability and reactivity**

10.1. Reactivity

**Reactivity** No information available.

10.2. Chemical stability

**Stability** Stable under normal conditions.

**Explosion Data** 

**Sensitivity to mechanical impact** None. **Sensitivity to static discharge** None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid**None known based on information supplied.

10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

### **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye damage.

May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. May cause sensitization by

skin contact. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components). Causes skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and

tearing of the eyes.

#### Numerical measures of toxicity

#### **Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 3,372.10 mg/kg **ATEmix (dermal)** 56,349.40 mg/kg

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diethanolamine	= 780 mg/kg (Rat)	= 11.9 mL/kg (Rabbit)	> 3.35 mg/L (Rat)4 h

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye

damage.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No information available.

Carcinogenicity No information available.

**Reproductive toxicity**No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

11.2.2. Other information

Other adverse effects No information available.

### **SECTION 12: Ecological information**

12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life.

**Unknown aquatic toxicity**Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Diethanolamine	EC50: =7.8mg/L (72h,	LC50: 4460 - 4980mg/L	-	EC50: =55mg/L (48h,
	Desmodesmus	(96h, Pimephales		Daphnia magna)
	subspicatus)	promelas)		
	EC50: 2.1 - 2.3mg/L (96h,	LC50: 1200 - 1580mg/L		
	Pseudokirchneriella	(96h, Pimephales		
	subcapitata)	promelas)		
		LC50: 600 - 1000mg/L		
		(96h, Lepomis		
		macrochirus)		

#### 12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

**Component Information** 

Chemical name	Partition coefficient
Diethanolamine	-2.46

#### 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Diethanolamine	The substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 12.7. Other adverse effects

No information available.

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

Page 9 / 13

### **SECTION 14: Transport information**

IATA

UN3082 14.1 UN number or ID number

14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine)

14.3 Transport hazard class(es)

14.4 Packing group

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine), 9, III

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** 

**ERG Code** 9L

IMDG

UN3082 14.1 UN number or ID number

14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine)

14.3 Transport hazard class(es) 14.4 Packing group

Description UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III, Residue: Last

Contained Not applicable

A97, A158, A197

14.5 Environmental hazards

14.6 Special precautions for user

**Special Provisions** 

274, 335, 969

F-A. S-F

14.7 Maritime transport in bulk according to IMO instruments

No information available

RID

14.1 UN number or ID number UN3082

14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine)

14.3 Transport hazard class(es) 14.4 Packing group Ш

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine), 9, III Description

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** 274, 335, 375, 601

Classification code M6

ADR

14.1 UN number or ID number UN3082

14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine)

14.3 Transport hazard class(es) 14.4 Packing group

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine), 9, III, (-)

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

274, 335, 601, 375 **Special Provisions** 

Classification code M6 **Tunnel restriction code** (-)

### **SECTION 15: Regulatory information**

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

#### National regulations

France

Occupational Illnesses (R-463-3, France)

<u> </u>		
Chemical name	French RG number	Title
Diethanolamine	RG 49,RG 49bis	-

111-42-2	

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH	Substance subject to authorization per
	Annex XVII	REACH Annex XIV
Diethanolamine - 111-42-2	75	-

#### **Persistent Organic Pollutants**

Not applicable

### Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

#### **International Inventories**

TSCA DSL/NDSL EINECS/ELINCS ENCS IECSC KECI PICCS AICS -

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

Chemical Safety Assessment No information available

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

### Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H302 - Harmful if swallowed

H315 - Causes skin irritation

H318 - Causes serious eye damage

H373 - May cause damage to organs through prolonged or repeated exposure

### Legend

SVHC: Substances of Very High Concern for Authorization:

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA Time weighted average STEL Short term exposure limit

Ceiling Maximum limit value \* Skin designation \* Sensitizers

Classification procedure				
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used			
Acute oral toxicity	Calculation method			
Acute dermal toxicity	Calculation method			
Acute inhalation toxicity - gas	Calculation method			
Acute inhalation toxicity - vapor	Calculation method			
Acute inhalation toxicity - dust/mist	Calculation method			
Skin corrosion/irritation	Calculation method			
Serious eye damage/eye irritation	Calculation method			
Respiratory sensitization	Calculation method			
Skin sensitization	Calculation method			
Mutagenicity	Calculation method			
Carcinogenicity	Calculation method			
Reproductive toxicity	Calculation method			
STOT - single exposure	Calculation method			
STOT - repeated exposure	Calculation method			
Acute aquatic toxicity	Calculation method			
Chronic aquatic toxicity	Calculation method			
Aspiration hazard	Calculation method			
Ozone	Calculation method			

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

**Environmental Protection Agency** 

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision Date 2025-01-16

### This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**