

Mix

Safety Data Sheet

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

Date of Issue: 14/05/2019

Version: 2.0

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

1.1. Product identifier

Product Form : Mixture

Product Name : BGSTM Recombinant β -Glucuronidase/Sulfatase Mix

Product Code(s) : BGS-10 ml, BGS-25 ml

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 : For Research Use Only.

1.2.2. Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Kura Biotec SpA

Av. Gramado (interior)

S/N, Parcela 20

Puerto Varas 5551114

T: +56 65 2234655

www.kurabiotech.com

Email: info@kurabiotech.com

1.4. Emergency telephone number

Emergency number : Chile +56 65 2234655

USA +1 760 955 9010

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH208 - Contains Sulfatase, aryl-(9016-17-5), Glucuronidase, .beta.-(9001-45-0).

May produce an allergic reaction.

EUH210 - Safety data sheet available on request. EUH032 - Contact with acids liberates very toxic gas.

2.3. Other hazards

Other hazards not contributing to the : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

classification

SECTION 3: Composition/information on ingredients

3.2. Mixture

Name	Product identifier	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Glucuronidase, .beta	(CAS-No.) 9001-45-0 (EC-No.) 232-606-8	Resp. Sens. 1, H334 Skin Sens. 1, H317
Sulfatase, Aryl-	(CAS-No.) 9016-17-5	Resp. Sens. 1, H334 Skin Sens. 1, H317
Glycerol	(CAS-No.) 56-81-5	Not classified

14/05/2019 EN (English) 1/9

Safety Data Sheet

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

Sodium azide	(CAS-No.) 26628-22-8	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310
	(EC-No.) 247-852-1	Aquatic Acute 1, H400
	(EC Index-No.)	Aquatic Chronic 1, H410
	011-004-00-7	

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 : When symptoms occur: go into open air and ventilate suspected area. Obtain

medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15

minutes. Obtain medical attention if irritation develops or persists.

First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

Symptoms/effects : May cause an allergic reaction in sensitive individuals.

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : May cause an allergic reaction in sensitive individuals.

Symptoms/effects after eye contact : May cause slight irritation to eyes. Symptoms/effects after ingestion : Ingestion may cause adverse effects.

Chronic symptoms : None expected under normal conditions of use.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not considered flammable but may burn at high temperatures.

Explosion hazard : Product is not explosive.

Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire. Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory

protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not breathe vapour, mist or spray. Do not get in eyes, on skin, or on clothing.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protective equipment (PPE).

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for

the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

14/05/2019 EN (English) 2/9

Safety Data Sheet

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

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into

sewers or streams.

Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Transfer spilled material

to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle in accordance with standard industrial practices, and ensure appropriate

ventilation. Avoid all contact with skin, eyes, clothing. Do not release into the

environment.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work. Avoid prolonged contact with eyes,

skin and clothing. Avoid breathing vapours, mist, spray.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use. Store in a dry, cool place. Keep/Store away

from direct sunlight, extremely high or low temperatures and incompatible

materials.

Incompatible materials : Strong acids, strong bases, strong oxidisers.

7.3. Specific end use(s) For Research Use Only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium azide (26628-22-	8)		
EU	IOELV TWA (mg/m³) 0,1 mg/m³		
EU	IOELV STEL (mg/m³)	0,3 mg/m³	
EU	Notes	Possibility of significant uptake through the skin	
Austria	MAK (mg/m³)	0,1 mg/m³	
Austria	MAK Short time value (mg/m³)	0,3 mg/m³	
Austria	OEL chemical category (AT)	Skin notation	
Belgium	OEL chemical category (BE)	Skin, Skin notation	
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³	
Bulgaria	OEL STEL (mg/m³)	0,3 mg/m³	
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,1 mg/m³	
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	0,3 mg/m³	
Croatia	OEL chemical category (HR)	Skin notation	
Cyprus	OEL TWA (mg/m³)	0,1 mg/m³	
Cyprus	OEL STEL (mg/m³)	0,3 mg/m³	
Cyprus	OEL chemical category (CY)	Skin-potential for cutaneous absorption	
France	VLE (mg/m³)	0,3 mg/m³ (restrictive limit)	
France	VME (mg/m³)	0,1 mg/m³ (restrictive limit)	
France	OEL chemical category (FR)	Risk of cutaneous absorption	
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,2 mg/m³	
Gibraltar	Eight hours mg/m3	0,1 mg/m³	
Gibraltar	Short-term mg/m3	0,3 mg/m³	

14/05/2019 EN (English) 3/9

Safety Data Sheet

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

	6 (REACH) with its amendment Regulation (EU) 2015/830		
Gibraltar	OEL chemical category (GI) Skin notation		
Greece	OEL TWA (mg/m³) 0,3 mg/m³		
Greece	OEL TWA (ppm)	0,1 ppm	
Greece	OEL STEL (mg/m³) 0,3 mg/m³		
Greece	OEL STEL (ppm)	0,1 ppm	
USA ACGIH	ACGIH Ceiling (mg/m³)	0,29 mg/m³	
USA ACGIH	ACGIH Ceiling (ppm)	0,11 ppm	
Italy	OEL TWA (mg/m³)	0,1 mg/m³	
Italy	OEL STEL (mg/m³)	0,3 mg/m ³	
Italy	OEL chemical category (IT)	skin - potential for cutaneous absorption	
Latvia	OEL TWA (mg/m³)	0,1 mg/m³	
Latvia	OEL chemical category (LV)	skin - potential for cutaneous exposure	
Spain	VLA-ED (mg/m³)	0,1 mg/m³ (indicative limit value)	
Spain	VLA-EC (mg/m³)	0,3 mg/m³	
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption	
Switzerland	KZGW (mg/m³)	0,4 mg/m³ (inhalable dust)	
Switzerland	MAK (mg/m³)	0,2 mg/m³ (inhalable dust)	
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,1 mg/m³	
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	0,3 mg/m³	
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m³	
United Kingdom	WEL STEL (mg/m³)	0,3 mg/m³	
United Kingdom	WEL chemical category	Potential for cutaneous absorption	
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³	
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption	
Denmark	Grænseværdie (langvarig) (mg/m³)	0,1 mg/m³	
Estonia	OEL TWA (mg/m³) 0,1 mg/m³		
Estonia	OEL STEL (mg/m³) 0,3 mg/m³		
Estonia	OEL chemical category (ET) Sensitiser, Skin notation		
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³	
Finland	HTP-arvo (15 min) 0,3 mg/m³		
Finland	OEL chemical category (FI)	Potential for cutaneous absorption	
Hungary	AK-érték	0,1 mg/m³	
Hungary	CK-érték	0,3 mg/m³	
Ireland	OEL (8 hours ref) (mg/m³)	0,1 mg/m³	
Ireland	OEL (15 min ref) (mg/m3)	0,3 mg/m³	
Ireland	OEL chemical category (IE)	Potential for cutaneous absorption	
Lithuania	IPRV (mg/m³)	0,1 mg/m³	
Lithuania	TPRV (mg/m³)	0,3 mg/m³	
Lithuania	OEL chemical category (LT)	Skin notation	
Luxembourg	OEL chemical category (LU)	Possibility of significant uptake through the skin	
Malta	OEL TWA (mg/m³)	0,1 mg/m ³	
Malta	OEL TWA (mg/m) OEL STEL (mg/m³)	0,3 mg/m ³	
Malta	OEL STEE (IIIg/III) OEL chemical category (MT)	Possibility of significant uptake through the skin	
	Grenseverdier (AN) (mg/m³)	0,1 mg/m ³	
Norway		0,1 mg/m ⁻ 0,3 mg/m ³ (value from the regulation)	
Norway	Grenseverdier (Korttidsverdi) (mg/m3)		
Poland	NDS (mg/m³)	0,1 mg/m³	
Poland	NDSCh (mg/m³)	0,3 mg/m ³	
Romania	OEL TWA (mg/m³) 0,1 mg/m³		

14/05/2019 EN (English) 4/9

Safety Data Sheet

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

Romania	OEL STEL (mg/m³) 0,3 mg/m³	
Romania	OEL chemical category (RO) Skin notation	
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³
Slovakia	NPHV (Hraničná) (mg/m³)	0,3 mg/m³
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Slovenia	OEL TWA (mg/m³)	0,1 mg/m³
Slovenia	OEL STEL (mg/m³) 0,3 mg/m³	
Slovenia	OEL chemical category (SL) Potential for cutaneous absorption	
Sweden	nivågränsvärde (NVG) (mg/m³) 0,1 mg/m³	
Sweden	kortidsvärde (KTV) (mg/m³) 0,3 mg/m³	
Portugal	OEL TWA (mg/m³) 0,1 mg/m³ (indicative limit value)	
Portugal	OEL STEL (mg/m³) 0,3 mg/m³ (indicative limit value)	
Portugal	OEL - Ceilings (mg/m³) 0,29 mg/m³	
Portugal	OEL - Ceilings (ppm) 0,11 ppm (vapour)	
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure indicative limit value

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the

immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.









Materials for protective clothing

Hand protection
Eye and Face Protection
Skin and body protection

: Chemically resistant materials and fabrics.

: Wear protective gloves.: Chemical safety goggles.

: Wear suitable protective clothing.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory

protection.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Light Yellow
Odour : Odourless

Odour threshold : No data available

pH : 8,0

Evapouration rate : No data available

Melting point : No data

Freezing point : No data available

Boiling point : No data Flash point : No data

Auto-ignition temperature : No data available
Decomposition temperature : No data available

14/05/2019 EN (English) 5/9

Safety Data Sheet

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

Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Solubility : Water: No data
Partition coefficient: n-octanol/water : No data available

Viscosity : No data

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see Section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidisers.

10.6. Hazardous decomposition products

None expected under normal conditions of use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium azide (26628-22-8)	
LD50 oral rat	27 mg/kg
LD50 oral	45 mg/kg
LD50 dermal rabbit	20 mg/kg
ATE CLP (dermal)	20,00 mg/kg bodyweight

Skin corrosion/irritation : Not classified

pH: 8

Serious eye damage/irritation : Not classified

pH: 8

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

Symptoms/Injuries After Inhalation : May cause allergy or asthma symptoms or breathing difficulties if

inhaled.

Symptoms/Injuries After Skin Contact : May cause an allergic reaction in sensitive individuals.

Symptoms/Injuries After Eye Contact : May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.

Chronic Symptoms : None expected under normal conditions of use.

14/05/2019 EN (English) 6/9

Safety Data Sheet

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

Sodium azide (26628-22-8)	
LC50 fish 1	0,8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 fish 2	0,7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
ErC50 (algae)	0,348 mg/l

12.2. Persistence and degradability

BGS [™] Recombinant β -Glucuronidase/Sulfatase Mix	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

BGS [™] Recombinant β -Glucuronidase/Sulfatase Mix		
Bioaccumulative potential	Not established.	

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal

: Dispose of waste material in accordance with all local, regional, national, provincial,

recommendations

 $territorial\ and\ international\ regulations.$

Additional information

: Container may remain hazardous when empty. Continue to observe all

precautions.

Ecology - waste materials

: Avoid release to the environment.

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number			·	
Not regulated for trans	port			
14.2. UN proper sh	nipping name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport ha	14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing grou	14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environment : No	environment : No	environment : No	environment : No	environment : No
	Marine pollutant : No			

14.6. Special precautions for user

No additional information available

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

Not applicable

SECTION 15: Regulatory information

14/05/2019 EN (English) 7/9

Safety Data Sheet

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

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

15.1.1. EU-Regulations

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

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

Glucuronidase, .beta.-

Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances.

Sulfatase, aryl- (9016-17-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Glucuronidase, .beta.- (9001-45-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sodium azide (26628-22-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Date of Preparation or Latest Revision

: 14/05/2019

Data sources

: Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS

or their subsequent adoption of GHS.

Other information

: According to Regulation (EC) No. 1907/2006 (REACH) with its amendment

Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1	
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Resp. Sens. 1	Respiratory sensitisation, Category 1	
Skin Sens. 1	Skin sensitisation, Category 1	
H300	Fatal if swallowed.	
H310	Fatal in contact with skin.	
H317	May cause an allergic skin reaction.	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
EUH032	Contact with acids liberates very toxic gas.	
EUH208	Contains Glucuronidase, .beta(9001-45-0). May produce an allergic reaction.	
EUH210	Safety data sheet available on request.	

Indication of Changes

No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists ADN – European Agreement Concerning the International Carriage of MARPOL - International Convention for the Prevention of Pollution NDS - Najwyzsze Dopuszczalne Stezenie

14/05/2019 EN (English) 8/9

Safety Data Sheet

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

Dangerous Goods by Inland Waterways

ADR - European Agreement Concerning the International Carriage of

Dangerous Goods by Road ATE - Acute Toxicity Estimate BCF - Bioconcentration Factor

BEI - Biological Exposure Indices (BEI) BOD – Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number

CLP - Classification, Labeling and Packaging Regulation (EC) No 1272/2008

COD – Chemical Oxygen Demand EC – European Community

EC50 - Median Effective Concentration EEC – European Economic Community

EINECS – European Inventory of Existing Commercial Chemical Substances

EmS-No. (Fire) - IMDG Emergency Schedule Fire EmS-No. (Spillage) - IMDG Emergency Schedule Spillage

EU - European Union

ErC50 - EC50 in Terms of Reduction Growth Rate

GHS – Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association IBC Code - International Bulk Chemical Code IMDG - International Maritime Dangerous Goods

IPRV - Ilgalaikio Poveikio Ribinis Dydis

IOELV - Indicative Occupational Exposure Limit Value

LC50 - Median Lethal Concentration LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level LOEC - Lowest-Observed-Effect Concentration

Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this

case octanol and water

MAK – Maximum Workplace Concentration/Maximum Permissible

Concentration

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe

NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe

NOAEL - No-Observed Adverse Effect Level

NOEC - No-Observed Effect Concentration

NRD - Nevirsytinas Ribinis Dydis

NTP - National Toxicology Program

OEL - Occupational Exposure Limits

PBT - Persistent, Bioaccumulative and Toxic

PEL - Permissible Exposure Limit

pH - Potential Hydrogen

REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals RID – Regulations Concerning the International Carriage of Dangerous Goods

hy Rail

SADT - Self Accelerating Decomposition Temperature

SDS - Safety Data Sheet

STEL - Short Term Exposure Limit

TA-Luft - Technische Anleitung zur Reinhaltung der Luft

TEL TRK – Technical Guidance Concentrations

ThOD – Theoretical Oxygen Demand TLM - Median Tolerance Limit TLV - Threshold Limit Value

TPRD - Trumpalaikio Poveikio Ribinis Dydis

TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von

Gefahrstoffen in ortsbeweglichen Behältern

TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine

TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte

TSCA - Toxic Substances Control Act TWA - Time Weighted Average VOC – Volatile Organic Compounds

VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE - Valeur Limite D'exposition

VME – Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulative

WEL – Workplace Exposure Limit WGK - Wassergefährdungsklasse

EU GHS SDS

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.

14/05/2019 EN (English) 9/9