

Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 28/11/2013

Revision date: 14/02/2018

Supersedes: 10/08/2016

Version: 1.3

NIC3.2. June	Date of issue: 28	/11/2013	Revision date: 14/02/2018	Supersedes: 10/08/2016	Version: 1.3
SECTION 1: Identificatio	n of the substand	co/mixtur	e and of the company	/undertaking	
1.1. Product identifier Product form	: Mi	vture			
Product name		S-TRIS Buff	er salt		
Product name Product code		BISTRIS250			
Floddel code	. D-1	01011110200)		
1.2. Relevant identified us	ses of the substance	or mixture	and uses advised against		
1.2.1. Relevant identified us	ses				
Industrial/Professional use spec	: Fo	r profession	al use only		
Use of the substance/mixture	: Us	e as laborat	ory reagent		
1.2.2. Uses advised against	t				
No additional information availab	le				
1.3. Details of the supplie	or of the safety data s	heet			
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286 cs@megazyme.com - www.mega					
1.4. Emergency telephone	e number				
Emergency number	: +3	53 1286122	0 [9 am to 5 pm GMT - Monda	ay to Friday]	
SECTION 2: Hazards ide	ntification				
2.1. Classification of the s					
Classification according to Res Skin corrosion/irritation, Category Serious eye damage/eye irritation 2 Specific target organ toxicity — S exposure, Category 3, Respirato irritation Full text of H statements : see se	y 2 H315 n, Category H319 Single H335 ry tract	2/2008 [CL	r]		
Adverse physicochemical, hur May cause respiratory irritation.					
2.2. Label elements					
Labelling according to Regulat Hazard pictograms (CLP)	tion (EC) No. 1272/20	GHS07	•		
Signal word (CLP)	: Wa	arning			
Hazardous ingredients	: BI	S-TRIS, 2-[b	is(2-hydroxyethyl)amino]-2-(h	ydroxymethyl)propane-1,3-dio	bl
Hazard statements (CLP)	H3	19 - Causes	s skin irritation. s serious eye irritation use respiratory irritation.		
Precautionary statements (CLP)	: P2 P2 P2 P2 P3	261 - Avoid b 264 - Wash h 271 - Use on 280 - Wear p 302+P352 - I	reathing dust/fume/gas/mist/ nands thoroughly after handlin ly outdoors or in a well-ventila rotective gloves/protective clo F ON SKIN: Wash with plenty	ig. ated area. othing/eye protection/face prot	

No additional information available

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according to Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BIS-TRIS, 2-[bis(2-hydroxyethyl)amino]-2- (hydroxymethyl)propane-1,3-diol	(CAS-No.) 6976-37-0 (EC-No.) 230-237-7	100	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

4.1. Description of first aid measures First-aid measures general : Call a poison center or a doctor if you feel unwell. First-aid measures after inhalation : Remove person to fresh air and keep conflortable for breathing. Call a poison center or a doctor if you feel unwell. First-aid measures after skin contact : Wash skin with plenhy of water. Take off contaminated clothing, if skin irritation occurs: Get medical advice/attention. First-aid measures after eye contact : Rinse cautioosky with water for several minutes. Remove contact lenses, if present and easy to do. Continue trinsing, if eye irritation persists: Get medical advice/attention. First-aid measures after inspection : Call a poison center or a doctor if you feel unwell. 4.2. Most important symptoms and effects. both acute and delayed Symptoms/effects after skin contact : Irritation. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. : Eye irritation. Stable extinguishing media : Water spray. Dry powder. Foam. 5.1. Extinguishing media : Toxio fumes may be released. fire : : Call a poison center or a doctor if you feel unwell. 5.3. Advice for firefighters : Toxio fumes may be released. fire : : Call a poison center protecl	SECTION 4: First aid measures	
First-aid measures after inhalation : Renove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. First-aid measures after eye contact : Rinse cautously 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 inpatiation : Call a poison center or a doctor if you feel unwell. 42. Most important symptoms and officets. both acute and delayod Symptoms/effects after inhalation : May cause respiratory irritation. Symptoms/effects after eye contact : Eye irritation. 43. Indication of any immediate medical attention and special treatment needed Treat symptomalically. : Water spray. Dry powder. Foam. 51. Extinguishing media : Water spray. Dry powder. Foam. 52. Special hazards arising from the substance or mixture Hazardous decomposition products in case of : Toxic furmes may be released. for : Do not attempt to take action without suitable protective equipment. Self-contained breathing aparatus. Complete protective ecluipment. Self-contained breathing aparatus. Complete protective clothing. SECTION 6: Accidental release measures : Do not attempt	4.1. Description of first aid measures	
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For further information refer to section 13.	6.4. Reference to other sections	
	For further information refer to section 13.	

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SECTIC	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precautio	ns 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 protective equipment.
Hygiene n	neasures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this produc Always wash hands after handling the product.
7.2.	Conditions for safe storage, includ	ing any incompatibilities
Storage c	onditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
7.3.	Specific end use(s)	
No additio	onal information available	
	ON 8: Exposure controls/per	sonal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Dust	With side shields	EN 166

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Solid particles	EN 143, EN 149



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	: Solid	
Colour	: brown.	
Odour	: None.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
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Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 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
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
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.

SECTION 11: Toxicological inf	ormation
11.1. Information on toxicological	effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.	
Acute aquatic toxicity	: Not classified	

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Chronic	aquatic toxicity	: Not classified
12.2.	Persistence and degradability	
No add	tional information available	
12.3.	Bioaccumulative potential	
No add	tional information available	
12.4.	Mobility in soil	
No add	tional information available	
12.5.	Results of PBT and vPvB assessme	nt
No add	tional information available	
12.6.	Other adverse effects	
No add	tional information available	
SECT	ION 13: Disposal consideratior	IS
13.1.	Waste treatment methods	
Waste t	reatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECT	ION 14: Transport information	
	rdance with ADR / RID / IMDG / IATA / AI	DN
ADR		ΙΑΤΑ
14.1.	UN number	

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

No supplementary information available

- Overland transport

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

14.2.

14.3.

14.4.

14.5.

14.6.

- Air transport

Not applicable

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

Not applicable

SECTION 15: Regulatory information

UN proper shipping name

Transport hazard class(es)

Environmental hazards

Special precautions for user

Packing group

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

15.1.1. EU-Regulations

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

EN (English)

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Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

SDS EU (REACH Annex II)

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