

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

DNAgard Blood

of the mixture

Registration number

None. Synonyms Issue

date Version 14-September-2016

number Revision date Supersedes

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

Identified uses For research and development purposes only.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name Biomatrica

5627 Oberlin Drive, Suite 120 **Address**

San Diego, CA 92121

1-858-550-0308 Telephone

e-mail N/A

Contact person Steven Schaefers 1-858-550-0308 1.4. Emergency telephone

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral Category 4 H302 - Harmful if swallowed. Skin corrosion/irritation H315 - Causes skin irritation. Category 2 Serious eye damage/eye irritation Category 1 H318 - Causes serious eve

damage.

Specific target organ toxicity - single Category 3 respiratory tract irritation H335 - May cause respiratory irritation.

exposure

Causes serious eye damage. Harmful if swallowed. Causes skin irritation. May cause respiratory irritation. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

Hazard summary

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: TS-093272, TS-456789, TS-784034, TS-983653



Hazard pictograms

Signal word Danger

Hazard statements

Harmful if swallowed. H302 Causes skin irritation. H315

Causes serious eye damage. H318 May cause respiratory irritation. H335

Precautionary statements

Prevention

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P261 Avoid breathing mist or vapour.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/face protection.
P280 Wear protective gloves.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

P330 Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 CENTRE/doctor.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
TS-093272	1 - 20	* Proprietary	-	-	
Classification:	Acute Tox. 4;H302, Ski 3;H335	n Irrit. 2;H315, Eye	Irrit. 2;H319, Acute Tox. 4;H332	2, STOT SE	
TS-456789	1 - 15	* Proprietary	-	-	
Classification:	Skin Irrit. 2;H315, Eye	rrit. 2;H319, STOT	SE 3;H335		
TS-983653	1 - 15	* Proprietary	-	-	
Classification:	Acute Tox. 3;H301, Ski	n Corr. 1B;H314, E	ye Dam. 1;H318, Acute Tox. 3;H	H331	
TS-784034	1 - 10	* Proprietary	-	-	#
Classification:	Acute Tox. 4;H302, Ac	ute Tox. 4;H312, Sk	sin Irrit. 2;H315, Eye Dam. 1;H3	18	
TS-387028	0,1 - 3	* Proprietary	-	-	
Classification:	Eye Irrit. 2;H319, Repr.	2;H361fd			

List of abbreviations and symbols that may be used above

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. #: This substance has been assigned Union workplace exposure limit(s).

Composition comments All concentrations are

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Get medical advice/attention if you feel unwell.

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

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness

and pain.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation by a trained professional.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

media

media

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective Self-equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapour. Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

7.3. Specific end use(s) For research and development purposes only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Austria. MAK List

Components	Туре	Value	Form
TS-784034 (CAS * Proprietary)	MAK	1 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Valu	es.		
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Bulgaria. OELs. Regulation No	o 13 on protection of workers aga	inst risks of exposure to che	mical agents at work
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Croatia. Dangerous Substanc	e Exposure Limit Values in the Wo	orkplace (ELVs), Annexes 1 a	and 2, Narodne Novine, 13/
Components	Туре	Value	
TS-784034 (CAS *	MAC	1 mg/m3	
Proprietary) TS-983653 (CAS * Proprietary)	STEL	1 mg/m3	
Czech Republic. OELs. Gover	nment Decree 361		
Components		M-I	
TS-784034 (CAS *	Type Ceiling	Value 5 mg/m3	
Proprietary)	Ceiling	5 mg/ms	
	TWA	1 mg/m3	
Denmark. Exposure Limit Valu	ues		
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TLV	1 mg/m3	
Estonia. OELs. Occupational 2001)	Exposure Limits of Hazardous Su	bstances. (Annex of Regulat	ion No. 293 of 18 Septemb
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
r topiletary)	TWA	1 mg/m3	
Finland. Workplace Exposure	Limits		
Components	Туре	Value	
TS-784034 (CAS *	STEL	3 mg/m3	
Proprietary)		_	
F	TWA	1 mg/m3	NIDO ED 004
	es (VLEP) for Occupational Expos	ure to Chemicals in France,	INKS ED 984
Components	Туре	Value	
	VME	1 mg/m3	
TS-784034 (CAS * Proprietary)			
Proprietary) `	isory OELs). Commission for the	Investigation of Health Hazar	ds of Chemical Compound
Proprietary) Germany. DFG MAK List (advi in the Work Area (DFG)		Investigation of Health Hazar Value	ds of Chemical Compound
Proprietary) ` Germany. DFG MAK List (advi	isory OELs). Commission for the		
Proprietary) Germany. DFG MAK List (advision the Work Area (DFG) Components TS-456789 (CAS * Proprietary)	isory OELs). Commission for the l	Value 2 mg/m3	Form
Proprietary) Germany. DFG MAK List (advision the Work Area (DFG) Components TS-456789 (CAS * Proprietary)	isory OELs). Commission for the I Type TWA	Value 2 mg/m3	Form

Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Hungary. OELs. Joint Decree	on Chemical Safety of Workplace	s	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Iceland. OELs. Regulation 154	1/1999 on occupational exposure	limits	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Ireland. Occupational Exposu	re Limits		
Components	Туре	Value	
TS-784034 (CAS * Proprietary) TS-983653 (CAS * Proprietary)	TWA STEL	1 mg/m3 1 mg/m3	
Italy. OELs			
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Latvia. OELs. Occupational ex	rposure limit values of chemical s	ubstances in work environment	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Lithuania. OELs. Limit Values	s for Chemical Substances, Gener	al Requirements (Hygiene Norm HN 23:	2007)
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Luxembourg. Binding Occupa	ational exposure limit values (Ann	ex I), Memorial A	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Malta. OELs. Occupational Ex Schedules I and V)	posure Limit Values (L.N. 227. of	Occupational Health and Safety Authori	ty Act (CAP. 424),
Components	Type	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Netherlands. OELs (binding)			
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Norway. Administrative Norma	s for Contaminants in the Workpl	ace	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TLV	1 mg/m3	
Poland. MACs. Regulation regenvironment, Annex 1	jarding maximum permissible cor	ncentrations and intensities of harmful fa	actors in the work
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
· · · · · · · · · · · · · · · · · · ·	TWA	1 mg/m3	
	·		

Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Portugal. VLEs. Norm on occu	pational exposure to chemical ag	ents (NP 1796)	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
Froprietary)	TWA	1 mg/m3	
Romania. OELs. Protection of	workers from exposure to chemic	cal agents at the workplace	
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Slovakia. OELs. Decree of the agents	government of the Slovak Repub	lic concerning protection of h	ealth in work with chemi
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
(Official Gazette of the Republ Components TS-784034 (CAS * Proprietary)	Type TWA	Value 1 mg/m3	
Spain. Occupational Exposure	Limits		
Components	Туре	Value	
TS-784034 (CAS * Proprietary)	TWA	1 mg/m3	
Sweden. Occupational Exposu	re Limit Values		
Components	Туре	Value	Form
TS-784034 (CAS * Proprietary)	STEL	2 mg/m3	
TS-983653 (CAS *	TWA Ceiling	1 mg/m3 0,02 mg/m3	Inhalable dust.
13-303033 (CA3	Cennig	0,02 mg/m3	ililalable dust.
Proprietary) `			
Proprietary) Switzerland. SUVA Grenzwerte	e am Arbeitsplatz		
Proprietary)	e am Arbeitsplatz Type	Value	Form
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS *	•	Value 4 mg/m3	Form Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components	Туре		
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS *	Type STEL	4 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS *	Type STEL TWA TWA	4 mg/m3 2 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary)	Type STEL TWA TWA	4 mg/m3 2 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure	Type STEL TWA TWA P Limits (WELs) Type STEL	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure Components TS-784034 (CAS * Proprietary)	Type STEL TWA TWA P Limits (WELs) Type STEL TWA	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3 1 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure Components TS-784034 (CAS *	Type STEL TWA TWA P Limits (WELs) Type STEL	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3	Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure Components TS-784034 (CAS * Proprietary) TS-983653 (CAS * Proprietary)	Type STEL TWA TWA P Limits (WELs) Type STEL TWA	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3 1 mg/m3 1 mg/m3	Inhalable dust. Inhalable dust. Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure Components TS-784034 (CAS * Proprietary) TS-983653 (CAS * Proprietary) EU. Indicative Exposure Limit	Type STEL TWA TWA PELIMITS (WELS) Type STEL TWA STEL	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3 1 mg/m3 1 mg/m3	Inhalable dust. Inhalable dust. Inhalable dust.
Proprietary) Switzerland. SUVA Grenzwerte Components TS-456789 (CAS * Proprietary) TS-784034 (CAS * Proprietary) UK. EH40 Workplace Exposure Components TS-784034 (CAS * Proprietary) TS-983653 (CAS * Proprietary)	Type STEL TWA TWA E Limits (WELS) Type STEL TWA STEL TWA STEL Values in Directives 91/322/EEC, 2	4 mg/m3 2 mg/m3 1 mg/m3 Value 2 mg/m3 1 mg/m3 1 mg/m3 2000/39/EC, 2006/15/EC, 2009/	Inhalable dust. Inhalable dust. Inhalable dust.

DNAgard Blood SDS EU

procedures

Derived no effect levels

(DNELs)

Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). (EN 166)

Skin protection

- Hand protection

Wear appropriate chemical resistant gloves in accordance with EN 347. Nitrile gloves 0.11 mm thick are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is

advisable.

- Other Respiratory protection

Chemical respirator with organic vapour cartridge and full facepiece.

Wear appropriate chemical resistant clothing in accordance with EN 943.

Thermal hazards Not applicable.

Hygiene measures

Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure

controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid. **Form** Liquid.

Colour Colorless to pale yellow.

Odour Not applicable. **Odour threshold** Not available. 8 - 8,14Not available. Melting point/freezing point

Initial boiling point and boiling

range

Not available

Not applicable Flash point **Evaporation rate** Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not applicable

Flammability limit - upper

(%)

Not applicable

Vapour pressure Not available. Vapour density Not available. 1,06 - 1,08 at 25 °C Relative density Solubility(ies) Not available. **Partition coefficient**

(n-octanol/water)

Not available.

Auto-ignition temperature Not applicable **Decomposition temperature** Not available. **Viscosity** Not available.

Explosive properties Not explosive.

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Oxidising properties Not oxidising.

No relevant additional information available. 9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Contact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous No hazardous decomposition products are known.

decomposition products

SECTION 11: Toxicological information

Occupational exposure to the substance or mixture may cause adverse effects. **General information**

Information on likely routes of exposure

Inhalation May cause respiratory irritation.

Causes skin irritation. Skin contact

Causes serious eye damage. Eye contact

Ingestion Harmful if swallowed.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred **Symptoms**

vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain.

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.		
Components	Species	Test results	
TS-093272 (CAS * Proprietary))		
Acute			
Dermal			
LD50	Rabbit	> 2000 mg/kg	
Inhalation			
LC50	Rat	3,181 mg/l, 4 Hours	
Oral			
LD50	Rat	474,6 mg/kg	
TS-387028 (CAS * Proprietary))		
Acute			
Inhalation			
LC50	Rat	1000 mg/m³, 6 hours, (Male)	
TS-784034 (CAS * Proprietary))		
Acute			
Oral			
LD50	Rat	375 mg/kg	
TS-983653 (CAS * Proprietary)			
Acute			
Inhalation			
LC50	Rat	0,96 mg/l, 4 Hours	
Oral			
LD50	Rat	210 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes serious eye damage.		

Based on available data, the classification criteria are not met. **DNAgard Blood** SDS EU

Due to partial or complete lack of data the classification is not possible.

Due to partial or complete lack of data the classification is not possible.

Due to partial or complete lack of data the classification is not possible.

Due to partial or complete lack of data the classification is not possible.

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Respiratory sensitisation

Germ cell mutagenicity

Reproductive toxicity

Skin sensitisation

Carcinogenicity

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

Due to partial or complete lack of data the classification is not possible.

Aspiration hazard

Due to partial or complete lack of data the classification is not possible.

Mixture versus substance

information

No information available.

Other information No data available.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic

environment. However, this does not exclude the possibility that large or frequent spills can have

a harmful or damaging effect on the environment.

Components **Species Test results**

TS-784034 (CAS * Proprietary)

Aquatic

Acute

EC50 Crustacea Invertebrates (Invertebrates) 137 mg/l, 48 Hours

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available. Partition coefficient Not available.

n-octanol/water (log Kow)

Not available. Bioconcentration factor (BCF) 12.4. Mobility in soil No data available. 12.5. Results of PBT Not available.

and vPvB assessment

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

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disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Special precautions

Not established.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol

and the IBC Code

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SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Follow national regulation for work with chemical agents. Young people under 18 years old are not

allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Pregnant women should not work with the product, if there is the

least risk of exposure.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

EC50: Effective Concentration, 50%. LC50: Lethal Concentration, 50%.

LD50: Lethal Dose, 50%.

References Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under

Sections 2 to 15 H301 T

H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H331 Toxic if inhaled. H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Follow training instructions when handling this material.

Training information Disclaimer

Biomatrica, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.