

Safety Data Sheet

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

Revision date: 15/April/2016 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product Name : Kaolin

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only

Use of the substance/mixture : Use as activator for blood samples to be tested on the TEG® analyzer.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Haemonetics 400 Wood Road Braintree, MA 02184

1.4. Emergency telephone number

Emergency number : (800) 438-2834

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 : 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

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	> 99	Not classified
Kaolin	(CAS No) 1332-58-7 (EC no) 310-194-1	< 1	Not classified
Disodium orthophosphate heptahydrate (Sodium Phosphate Buffer)	(CAS No) 7782-85-6 (EC no) 616-512-8	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Sodium azide	(CAS No) 26628-22-8 (EC no) 247-852-1 (EC index no) 011- 004-00-7	0,09	Acute Tox. 2 (Oral), H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

15/April/2016 EN (English) 1/9



Safety Data Sheet

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

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/injuries : Not expected to present a significant hazard under anticipated conditions of

normal use.

Symptoms/injuries after inhalation : Prolonged exposure may cause irritation.

Symptoms/injuries after skin contact : Prolonged exposure may cause skin irritation.

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

Chronic symptoms : None known.

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 : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist,

spray).

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection 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.

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.

15/April/2016 EN (English) 2/9



Safety Data Sheet

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

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

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 vapors, 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 products : Strong acids, strong bases, strong oxidizers.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 2 - 8 °C

7.3. Specific end use(s)

Use as activator for blood samples to be tested on the TEG® analyzer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Kaolin (1332-58-7)			
Belgium	Limit value (mg/m³)	2 mg/m³ (alveolar fraction)	
Bulgaria	OEL TWA (mg/m³)	3,0 mg/m³ (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction) 6,0 mg/m³ (containing <2% free Crystalline silicon dioxide in respirable fraction-inhalable fraction)	
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	2 mg/m³ (respirable dust)	
France	VME (mg/m³)	10 mg/m³	
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	
Spain	VLA-ED (mg/m³)	2 mg/m³ (this value is for the particulate matter that is free from Asbestos and contains <1% of Crystalline silica-respirable fraction)	
Switzerland	VME (mg/m³)	3 mg/m³ (respirable dust)	
United Kingdom	WEL TWA (mg/m³)	2 mg/m³ (respirable dust)	
United Kingdom	WEL STEL (mg/m³)	6 mg/m³ (calculated-respirable dust)	
Denmark	Grænseværdie (langvarig) (mg/m³)	2 mg/m³ (respirable)	
Finland	HTP-arvo (8h) (mg/m³)	2 mg/m³ (respirable)	
Ireland	OEL (8 hours ref) (mg/m³)	2 mg/m³ (respirable dust)	
Poland	NDS (mg/m³)	10,0 mg/m³ (<2% free crystalline silica and containing no asbestos-inhalable fraction)	
Slovakia	NPHV (priemerná) (mg/m³)	2 mg/m³ 10 mg/m³ (total aerosol)	
Portugal	OEL TWA (mg/m³) 2 mg/m³ (respirable fraction, particulate matter containing no Asbestos and <1% Crystalline silica)		
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen	

15/April/2016 EN (English) 3/9



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

Sodium azide (26628-22-8)			
EU	IOELV TWA (mg/m³)	0,1 mg/m³	
EU	IOELV STEL (mg/m³)	0,3 mg/m³	
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	OEL TWA (mg/m³)	0,1 mg/m³	
Gibraltar	OEL STEL (mg/m³)	0,3 mg/m³	
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			
USA ACGIH			
Italy	OEL TWA (mg/m³)	0,1 mg/m³	
Italy	OEL STEL (mg/m³)	0,3 mg/m³	
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 exposure	
Switzerland	VLE (mg/m³)	0,4 mg/m³ (inhalable dust)	
Switzerland	VME (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	

15/April/2016 EN (English) 4/9



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

Sodium azide (26628-22-8	3)		
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)	Sensitizer, 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	
Malta	OEL TWA (mg/m³)	0,1 mg/m³	
Malta	OEL STEL (mg/m³)	0,3 mg/m³	
Malta	OEL chemical category (MT)	Possibility of significant uptake through the skin	
Norway	Grenseverdier (AN) (mg/m³)	0,1 mg/m³	
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,1 mg/m³	
Poland	NDS (mg/m³)	0,1 mg/m³	
Poland	NDSCh (mg/m³)	0,3 mg/m³	
Romania	OEL TWA (mg/m³)	0,1 mg/m³	
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			
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	
Sweden	OEL chemical category (SE)	Skin notation	
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/m ³	
Portugal	OEL - Ceilings (ppm)	0,11 ppm (vapor)	
Portugal OEL chemical category (PT)		A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure indicative limit value	

15/April/2016 EN (English) 5/9



Safety Data Sheet

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

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.







Materials for protective clothing

Hand protection

Eye protection

Skin and body protection

Respiratory protection

: Chemically resistant materials and fabrics.

: Wear protective gloves.: Chemical safety goggles.

: Wear suitable protective clothing.

: 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: No data availableOdour: No data availableOdour threshold: No data available

pH : $7,4 \pm 0.05$

Evaporation rate : No data available Melting point : No data available No data available Freezing point **Boiling point** : No data available : No data available Flash point : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) No data available Vapour pressure : No data available : No data available Relative vapour density at 20 °C Solubility Soluble in water Partition coefficient: n-octanol/water : No data available Viscosity No data available **Explosive properties** : No data available : No data available Oxidising properties **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.

15/April/2016 EN (English) 6/9



Safety Data Sheet

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

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers. Heavy metals.

10.6. Hazardous decomposition products

Thermal decomposition generates: Toxic fumes. Nitrogen oxides. Sodium oxides. Hydrazoic acid.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Kaolin (1332-58-7)		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
Sodium azide (26628-22-8)		
LD50 oral rat	27 mg/kg	
	J 5, 5	

Skin corrosion/irritation : Not classified pH: 7.4 ± 0.05 Serious eye damage/irritation : Not classified pH: 7.4 ± 0.05

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated exposure) : Not classified Aspiration hazard : Not classified

Symptoms/Injuries After Inhalation : Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact : Prolonged exposure may cause skin irritation.

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

Chronic Symptoms : None known.

Potential adverse human health effects and : Based on available data, the classification criteria are not met.

symptoms

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

Kaolin	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Kaolin	
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

15/April/2016 EN (English) 7/9



Safety Data Sheet

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

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local, regional, national, and

international regulations.

Additional information : Refer to local statutory requirements and the Biohazardous Waste Disposal

Guidelines for proper disposal instructions.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR		IMDG	IATA	ADN	RID
14.1.	UN number	•			
Not reg	ulated for transp	ort			
14.2.	UN proper shi	pping name			
Not app	licable	Not applicable	Not applicable	Not applicable	Not applicable
14.3.	14.3. Transport hazard class(es)				
Not app	licable	Not applicable	Not applicable	Not applicable	Not applicable
Not app	licable	Not applicable	Not applicable	Not applicable	Not applicable
14.4.	14.4. Packing group				
Not app	licable	Not applicable	Not applicable	Not applicable	Not applicable
14.5.	14.5. Environmental hazards				
Danger	ous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environ	ment : 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

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

Kaolin (1332-58-7)

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)

Water (7732-18-5)

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

Revision date : 15/April/2016

15/April/2016 EN (English) 8/9



Safety Data Sheet

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

Data sources

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

Full text of H- and EUH-statements:

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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H300	Fatal if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH032	Contact with acids liberates very toxic gas

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

15/April/2016 EN (English) 9/9
© 2016 Haemonetics Corporation. Haemonetics, Haemonetics The Blood Management Company, and TEG are trademarks or registered trade

©2016 Haemonetics Corporation. Haemonetics, Haemonetics The Blood Management Company, and TEG are trademarks or registered trademarks of Haemonetics Corporation in the USA, other countries, or both. PlateletMapping® is a trademark of Cora Healthcare, Inc. 4.2016. CL101528-IE(AB).