

BG HRT LTD	MATERIAL SAFETY DATA SHEET According Regulation EC No. 1907/2006			Page. 1/4 DK 07_00-06
	Product HRT Holds Reanimator 1.0	Date of printing 27.12.2010	Date of edition: 20.12.2010	Revision №: 1

- 1 Product and manufacturer name:**
- 1.1. Identification of the agent** HRT 1.0
- 1.2. Application of the Agent** Concentrated cleaning liquid for climbing holds
- 1.3. Company details** HRT ltd
Phone: +359 2 8177932; Fax:+359 2 974 60 27
ID: BG121099920
1712 Sofia 20A”Eng.G.Belov Str, Mladost 3
- 1.4. Emergency phones** Phone.: +359 2 817 79 32

2. Composition of the agent / information on the substances

Acid cleaning preparation produced from organic and inorganic acid and nonionic surfactant.

Dangerous components Chemical characteristic	%	CAS:	EINECS:	Danger warning sign	R-phase
Name of the compound	Content (%)	CAS #	EC #.	Classification; R-expression	
Etoxylated Laurilalcohol	< 5 %	3055-97-8	221-283-9	Xn, R22,R36,R38	
Phosphoric acid	<25 %	7664-38-2	231-633-2	C, R34	
Sulphamic acid	<5 %	5329-14-6	226-218-8	Xi, R36 R38 R52 R53	

Composition in compliance with Regulation EO No. 648/2004.

See item 16 for the complete text of R phrases

3. Description of the dangers

Classification of substance or preparation

The classification of the preparation, characterized by strongly decreased values of pH, is based on the results of a suitable study, approved as provided under part 3.2.5 of Appendix VI of Directive 67/548/EIO and the succeeding amendments

For the people:

If not used according to the recommendations: After long-time contact with the liquid it could cause an irritation of the skin/ /smarting, burning, reddening/ and could cause serious injury of the eyes.

About the environment:

If used according to the recommendations: no

4. First aid measures

Upon inspiration:

Not applicable

In case of contact with the skin:

Rinse with a big amount of water for 5 minutes. In case of strong pain, please, contact a doctor.

In case of contact with the eyes:

Rinse immediately with a big amount of running water /for 10 min./, turning the eyelids up and contact immediately an ophthalmologist.

In case of absorption:

Rinse the mouth. Do not provoke vomiting. Drink a lot of water. Consult immediately with a doctor, who will make an abdomen lavage.

Special requirements to a first aid: Not applicable

5	Fire extinguish measures		
	Fire extinguishing tools	- suitable	Water jet, dry powdered substance, CO ₂ , foam
		- do not use	Strong water jet
	Dangers caused by	- the agent	Not found
		- burning products	Inflammable product
		- released gases	It is possible some ammonia, sulphur oxides, carbon oxide to be released.
	Special protected equipment		For the cases of fire take an aspirator with an independent air source. Wear rubber gloves when contact a water solution.
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6.	Measures against emergency release		
	Safety protection measures related to the people:		Avoid contact with the skin and eyes.
	Environmental protection measures:		Keep away from penetration into the water systems and the earth.
	Cleaning method:		Remove physically; rinse the remains with a big amount of water. Absorbing materials could be used.
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7.	Work with an agent/detergent and storage		
7.1.	Work:		To be transported only in closed trucks.
7.2.	Storage:		Store at cool and dry place away from the sources of direct heat and light. Storage temperatures: >0°C; <20°C Storing in cool place the term of use is at least two years. Store in original bottle with dosing element.
7.3.	Specific use:		Liquid for cleaning of climbholders.
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8	Control of exposition and personal protection tools		
8.1.	Limits of exposition:		Not available
8.2.	Control of exposition:		Not needed, if used according to the requirements
8.2.1.	Control of exposition at the work place:		Not needed, if used according to the requirements
8.2.1.1.	Breath protection:		Not needed, if used according to the requirements
8.2.1.2.	Hands protection:		The user have to utilize rubber chemical protecting gloves (EN374)
8.2.1.3.	Eyes protection:		The user have to utilize safety glases (EN166) during the refilling and washing.
8.2.1.4.	Skin protection:		Not needed if used according to the requirements
8.2.2.	Control of exposition of the environment:		Not needed if used according to the requirements
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9	Physical and chemical features		
9.1	General information		
	Type:		Coloured transparent liquid
	Colour:		Blue - green
	Smell:		Typical of chemicals
9.2	Important information on the health, safety and environment		
	pH value		Approximately 2 directly
	Boiling point		Approximately 96°C

	Ignition point:	Not applicable
	Ignition ability:	Not applicable
	Explosion features:	Not applicable
	Oxidation features:	Not applicable
	Vapour pressure:	Not applicable
	Relative density (20°C)	Approximate 1,21 g/cm ³ (20°C)
	Soluble in the water	100% soluble
	Soluble in fats	Not applicable
	Viscosity:	20 mPa.s+/- 5 /acc. to Hoepller /
	Vapour density:	Not applicable
	Evaporation velocity:	Not applicable
9.3.	Other information:	Not applicable
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10	Stability and reactive capacity	
10.1.	Conditions to be avoided:	Uncontrolled spilling out of the product
10.2.	Materials that should be avoided:	Alkali substances /caustic soda, powdered detergent, bleaching solution etc./, strong oxidants – peroxides.
10.3.	Dangerous products resulting from decomposition:	Ammonia, sulphur oxides, carbon oxide could be released and thermal reaction with the above substances could occur.
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11	Toxicological information	
11.1.	Severe toxicology:	
11.1.1.	LD50/oral/bat:	For 99.5 % sulphamic acid -3160 mg/kg; For 85% phosphoric acid 1530 mg/kg.
11.1.2.	Main skin irritation:	Cause irritation and drying
11.1.3.	Main irritation of the mucous membrane / rabbit eye:	Single contact could cause strong irritation
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12	Environmental information	
12.1.	Ecological toxic ability:	No available data
12.2.	Mobility:	When dissolved in the water it could penetrate into the underground waters.
12.3.	Resistance and decomposition:	All surface active substances included in this product are in compliance with the substances required by the EU Directive for detergents 648 / 2004 for complete biological decomposition. In case of decomposition the phosphor acid could release some toxic gases.
	Etoxylated Ethylalcohol	Primary biological decomposition 79,1% of Directive 82/234/EC. Final aerobic biological decomposition - 65,4%
12.4.	Bioaccumulation potential:	No data available
12.5.	Other unfavourable effects:	Not expected
12.6.	Other notes:	None
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13	Waste treatment	
	Product	Prevent penetration into ground or surface water.
	Packaging	Waste product should be recycled or neutralized in compliance with the regulations in force. Empty packaging should be washed several times with water and recycled in compliance with the regulations in force.
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14	Information on transportation	
	ADR/GGVS	Not dangerous products according to ADR

UN number:

Not applicable

- 15 Information according to the effective regulations**
15.1. Designation according to the regulations of EU 1999/45/EG and 67/548/EG:
Code letter and designation of the product dangers:

Xi,  irritant

Risk phrases:	R36/38	Cause irritation of the eyes and skin
Safety advises:	S1/2	Keep locked up and out of the reach of children
	S24/25	To avoid contact with eyes and skin.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.
	S28:	Wear suitable gloves Wear eye/face protection.
	S37:	If swallowed, seek medical advice immediately and
	S39:	show this container or label
	S46:	If swallowed, seek medical advice immediately and show this container or label
Special designation of the substance:	None	

16 Other information

Agent does not cause any irritation to the respiratory system (R 37), because it is not a powdered substance, but liquid.

Information provided in this Information sheet on safety of specific material is based on out current knowledge, especially on the information provided by our suppliers. These data do not guarantee the product features. These data are provided only in order to provide some suitable safety protection measures. Consumer of our product should observe the effective laws and regulations and will be fully responsible for that.

R-phrases, stipulated in item 2:

R22	Harmful if swallowed
R34	Causes burns
R36	Agent causing eyes irritation
R38	Irritating to skin
R52	Harmful for water organisms.
R53	Could cause long term unfavourable effects in the water environment.

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