

EN	<b>MATERIAL SAFETY DATA SHEET</b> <b>MSDS in compliance with (EU) No. 1907/2006</b>			Pages 6	
	Name of manufacturing company	Product:	Date of printing	Date of edition::	
HRT Ltd	Climbing holds detergent for professional use	30.06.2013	20.07.2016	Doc No- 001 Revision №: 2	

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identification

Name of substance or preparation, Trade name: *HRT holds reanimator – Cold water*

### 1.2 Identified applications of the substance which are important, and applications which are not recommended.

Climbing holds detergent for professional use

**Applications which are not allowed :** All applications except those strictly prescribed in the following document and the product label

### 1.3 Details about supplier and material safety data sheet: supplier can be different from the distributor.

Company : HRT Ltd  
Address : 10"Arch.B.Tomalevski" Str,Mladost 4, 1715, Sofia, Bulgaria  
Phone : +359 2 4485740  
Fax : +359 2 4485749  
Department issuing the material safety data sheet/e-mail and webpage:  
Sales Dpt. / [home@hrt-holds.com](mailto:home@hrt-holds.com) / [www.hrt-holds.com](http://www.hrt-holds.com)

### 1.4 Emergency phone number:

Toxicology clinic MBAL Pirogov, Sofia– 02/9154 409 (working days9.00-17.00) and 9154 346 (at any time).  
**Office of HRT Ltd: +359 2 4485740 (working days9.00-17.00) and +359884186214 ( at any time- English speaking )**

## 2. Description of hazards

### 2.1 Classification of substance or preparation

Skin irritation – category 2

Serious eye irritation – category 2A

Hazardous to the aquatic environment, long-term – chronic 3

### 2.2 Labeling:



GHS07

Signal word: **Warning**

Main Hazard Substances:

Sulphamic acid  
Polyoxalkylene ether of synthetic fatty alcohol

#### Hazard Statements:

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

#### Precaution statements:

P264 – Wash your skin thoroughly after handling

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P321 - Specific treatment (see ... on this label). -Reference to supplement a l first aid instruction.

Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.

P302+ P352 If on skin: wash with plenty of water

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 – Take off contaminated clothing and wash it before reuse.

P501 – Do not throw unused or concentrated cleaner into the drain or onto the ground (soil).

## 2.3 Other Dangers

None

## 3. Agent composition/ ingredients information

### 3.1. Dangerous components used in the substance/product, which have a class of danger:

Name of compound	Index №	EU number / CAS number/ Registration number	Concentration (% w/w)	Classification 1272/2008/EU
Sulphamic acid	016-026-00-0	5329-14-6, 226-218-8	> 30%	H319, H315, H412
Polyoxalkylene ether of synthetic fatty alcohol	-	polymer 3818-93-5	<5 %	H319 H315

## 4. First aid measures

### 4.1 Description of first aid methods

**Inspiration:** Not applicable

**Skin contact:** Wash thoroughly with water

**Eye Contact:** In case of eye contact, rinse immediately with running water and seek medical help

**Absorption:** In case of absorption, seek immediate medical help and show the package or label

**Most important symptoms and effects – acute or delayed :** None reported

## 5. Fire -fighthing methods

### 5.1. Fire extinguishing tools

**Suitable extinguishing agents:** Dry powdered substance, CO2 foam, depending on the nearby materials present

**Unsuitable tools for extinguishing fire due to safety precautions:** Water, because of danger of dissolving the acid ingredient of the material.

### 5.2 Special hazards during extinguishing of fire:

In case of fire, hazardous substances can be released: Sulphur oxides, ammonia, nitrous oxide (NOx)

**5.3. Fireman advise:** Wear full protective clothes, gas masks. In case of fire, wear an independent air source

**Hazards caused by burning products:** Product is Inflammable

## 6. Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** *In case of accidental release (detergent spillage), before cleaning - check the sections for protection equipment, fire-fighting measures, working with the detergent and storage, personal protection. During the cleaning, use proper, personal, protective equipment. The released material can be a hazard for slipping or soaking in clothes and shoes only if the floor is wet.*

*Wear personal protective measures. Put people away from the spillage/leak in a wind-opposite direction. Secure adequate ventilation. Avoid contact with eyes and skin. During product collection – try to minimize the formation of dust in the air.*

*Use anti-powder masks and gloves. Restrain access of unneeded personnel.*

**Regarding personnel, not responsible for emergencies:** *To be put aside from the contaminated area*

**Regarding personnel, responsible for emergencies:** *Avoid contact with eyes*

**6.2 Environmental precautions:** *Do not allow unused product to enter sewers/ surface or ground water. If the product contaminates rivers or lakes, inform the corresponding authority.*

**6.3. Methods and material for containment and cleaning up:** *Collect product mechanically very well. Neutralize zone with a 5% water solution of sodium bicarbonate, and rinse thoroughly with water.*

### 6.4. Reference to other sections :

*See Section 8 for information on personal protection equipment.*

*See Section 13 for information on safe handling/disposal*

## 7. Handling and storage

**7.1. Precautions for safe handling:** Kepp container tightly closed until needed for usage. Avoid dust build up. Ensure presense of adequate ventilation in locations, where dust might build up. In case of emergency rinse eyes thoroughly and have a shower at immediate disposal. Remove all flammable sources. Do not smoke. Follow the common conditions for work hygiene. Prevent the detergent from getting in the eyes. Use personal protective measures. See section 8 for information on personal protection equipment.

**7.2. Conditions for safe storage, including any incompatibilities:** **Keep** in a dry and ventilated area, at temperatures from 0 to 25° C. Always keep the buckets closed. Don't mix with other substances (especially alkaline detergents and bases ). Keep away from direct sunlight.

At normal room temperature and low humidity the expiry period is minimum 2 years.

**7.3. Specific end use(s):** For manual and machine washing of climbing holds.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

**General information:** Maintain proper hygiene on the workplace. Do not eat, drink or smoke at the workplace. Secure adequate ventilation. Avoid contact with eyes or skin. Wear personal protective measures.

### 8.2. Exposure control

**Adequate engineer control:** Area ventilation. Secure local ventilation in compliance with the danges of emissions. Usage in areas with heat sources using an open hot wire or fire are not allowed.

**Personal protective equipment:**

**Respiratory protection** – Dustproof masks

**Protection of hands** – Use protective gloves /neoprene or rubber/ when exposed to direct contact with product and mixtures. At first signs of tearing exchange immediately.

**Protection of eyes** Wear protective chemical glasses when danger of product splash is present. Air-tight dustproof glasses should be worn in case of heavy dusting.

**Protection of skin and body**– Work clothes and shoes

**Hygienic measures** : In case of contamination- immediately remove the contaminated clothing. Do not breathe dust or aerosol fog. Avoid contact with skin and eyes. Keep away from drinks and food for people and animals. Smoking, eating and drinking are to be forbidden in the work areas. Wash hands and face before breaks and at the end of the work day.

**Environment exposure control:** Avoid contaminating water and soil. Avoid material leakage in sewers and water sources, except for the used water solutions. If there is an uncontrolled spillage of the solution please inform the local control authorities. Specific control parameters are not used.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Appearance: White, hard substance, granules-similar shape
- Molecular weight: no data (mixture)
- Odour: specific for the used chemicals/acidic
- Odour limit: no data
- pH water solution: approximately 1,3 (20°C, 10 g/l H<sub>2</sub>O)
- melting point : inapplicable
- boiling point: inapplicable
- burning point: inflammable
- evaporation speed: no data
- flammability (solid substance, gas): inapplicable
- lower/upper limit of flammability and explosion hazard: Product does not present an explosion hazard.
- Vapor pressure: no data
- Vapor density: no data
- Relative density: approximately 1,15 g/cm<sup>3</sup> (20°C)
- Water solubility : 100% soluble in proportion 1/15
- Segregation coefficient (n-octanol/water): inapplicable
- Self-flammable temperature: : not self-flammable
- Disintegration temperature : no data
- Viscosity: inapplicable
- Explosive properties : not explosive
- Oxidizing properties: no data

**9.2. Other information:** no data

## 10. Stability and reactivity

**10.1. Reactivity:** Stable if stored according to specifications

**10.2. Chemical stability:** Stable if stored according to specifications

**10.3. Possibility of hazardous reactions:** Incompatibility with oxidants. Reactions with metals can release hydrogen

**10.4. Conditions to avoid:** High moisture – acquisition of water moisture and substance hardening, high temperature – decomposition of the active substances.

**10.5. Incompatible materials:** Acids, metals

**10.6. Hazardous decomposition products:** No decomposition within the given range of storage and application. During decomposition nitric gases, ammonia, sulfur oxides, carbon dioxide, products of partial organic decomposition can be released.

## 11. Toxicological information

### 11.1. Information on toxicological effects

**Acute product toxicity:** No data for the mixture

**Toxicometric substances data:**

Amidosulfonic acid:

Oral LD50rat - 3.160 mg/kg

Skin irritation (rabbit) – irritates skin. OECD 404;

Eye irritation (rabbit) – acute eye irritation. OECD 405

Skin sensibilisation: not a sensibilasor with skin contact

Work in accordance with the specifications for industrial hygiene and safety techniques.

Lauril alcohol:

Skin contact: with skin contact, acts skinning, with a longer exposure can lead to an allergic reaction.

Eye contact: can cause inflammation and chronic conjunctivitis

**Possible exposure paths:** Vaporizing, swallowing, skin and eye contact

**Symptoms related to physical, chemical and toxicological characteristics:**

Skin contact – Can cause irritation at longer exposures

Eye contact – One time contact causes irritation

## 12. Ecological information

Toxic for water organisms, can cause long term negative effects in the water environment.

**12.1. Toxicology:** No data for mixture

12.2. **Persistence and biodegradability:** All surface active substances, included in this product are according to the specific requirements from ECC detergent directive 648 / 2004 for full biodegradability.

12.3.

Amidosulfonic acid:	Biodegradability: Methods for determining biodegradability are inapplicable for inorganic substances. Bio-accumulation not expected. Poisonous for fish: LC50 Pimephales promelas 70,3 mg/l 96 h, Poisonous for bacteria : EC10 Pseudomonas putida > 1.000 mg/l 16 h
Lauril alcohol	Initial biodegradability around 80% according to directive 82/242/EIO. Final aerobic biodegradability determined by the closed bottle method according do directive 67/548/EEC, Annex V.C.4-E is equal to 65,9%. After dissolving in water potential soil penetration is possible. Surface activity for 0,1% solution is around 31 mN/m at 25°C. No data for bio-accumulation potential present.

**12.3. Bio-accumulating potential:** No bio-accumulation expected

**12.4. Mobility in soil:**

**Soil:** after dissolving in water soil penetration is possible and can access underground water

**Air:** Low mobility due to the dry granulated form

**Water:** high mobility

**Additional information:** Do not allow release of unused product- dry or diluted - into the sewers, water or soil. The used cleaner has almost no acidity and represents a low danger in water environment. After usage according to the specifications, the cleaner can be disposed of- into the sewer system and represents no ecological danger.

**12.5. Results of PBT and vPvB assesment:** No data

**12.6. Other adverse effects :** No data

## 13. Disposal considerations

**13.1. Waste treatment methods:**

**Product:** Must not be disposed together with household garbage. Special measures are required according to local regulations. Do not allow unused product to reach sewage system. Working solutions can be disposed in sewage after their specific utilization, according to specifications.

**Package material:** Empty, unclean packages are to be treated like the product and according to local regulations

**Waste laws:** The active regulative organization for Bulgaria is Regulation № 3 from 1.04.2004yr. For waste classification

## 14. Transport information

**14.1. UN list number** – UN2967

**14.2. UN proper package name** – Sulphamic acid

**14.3. Transport hazard class(es)** – **Class 8, Corrosive**

**ADR** – Class: 8; Labels: 8; classification code: C2; Danger code (Kemler) 80

**RID** - Class: 8; Labels: 8; classification code: C2; Danger code (Kemler): 80

**IMDG**- Class: 8; Labels: 8; EmS: F-A, S-B

**IATA** – Class 8, Labels 8

**14.4. Packing group ADR, RID, IMDG, IATA:** III

**14.5. Environmental hazards**

Danger code (Kemler) – 80,

Labeling according to 5.2.1.8 ADR: no

Labeling according to 5.2.1.8 RID: no

Labeling according to 5.2.1.6.3 IMDG – no

Labeling according to 7.1.5.3 IATA - no

Classification for environmentally hazardous in accordance to 2.9.3 IMDG - no

Classified as “P” in accordance to 2.10 IMDG - no

**14.6. Special precautions for users:** inapplicable

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** inapplicable

## **15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture :**  
**The mixture is classified and labeled in compliance with the law requirements for protection from the hazardous effects of chemical substances and mixtures, classification regulation, packing and labeling of chemical substances and mixtures, Regulation № 13 from 30 Dec 2003yr. For protection of risk working people, potentially exposed to chemical agents at work, Directive 67/548/EEC for classifying and labeling of hazardous chemical substances, Directive 1999/45/EU for detergents in the version of Directive 2001/60/EU, Directive 98/24/EU, Directive 2000/39/EU, Regulation 1907/2006, Regulation 648/2004, Regulations EU No 1272/2008.**

**15.2. Chemical/mixture safety assessment:** No safety assessment has not been carried out

## **16. Other information**

**16.1. Additional information:** This information is based on our present knowledge. This information should only serve as a guide for a safe and correct usage, manipulation storage, transportation and disposal and should not be considered a guarantee or a quality characteristic. The information is only regarding the specific product and not valid in case of combination with other materials and other processes unless specified in the text.

**Modifications:** In accordance with European Regulations EU No 1272/2008 known as CLP.