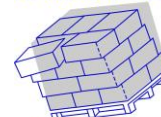


**Safety Data Sheet**

according to Regulation (EC) no. 1907/2006 in its current applicable form respectively

H. Rand GmbH



www.GripFix.com

Date / revised on: 22/06/2016

Version: 2

Product description: **GRIP FIX™ Type SW 10/4 LS**Product number: **3 034 200****1. Identification of the substance and/or mixture and responsible company****1.1 Product identifier**

Product name: **GRIP FIX™ Type** SW 10/4 LS  
Product number: 3 034 200

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

Solvent-free, anti-slip agent for securing loads on pallets.

**1.3 Details of the supplier that provided safety data sheet, manufacturer /supplier****Manufacturer / supplier**

H. Rand GmbH, Dieselstr.19-21, D- 67141 Neuhofen  
Telephone: +49 6236 408800, Fax: +49 6236 408801; email: rand@rand-online.com

**1.4 Emergency Telephone Number:**

+49 163 4088 000

**2. Hazards identification****2.1. Classification of the substance or mixture****Classification according to CLP Regulation (EC) No. 1272/2008**

The product is not subject to labelling according to the calculation methods of the "General Classification Guideline for Preparations of the EC" in its latest version.

**2.2 Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not a hazardous substance or mixture. This product has not been classified or marked according to the GHS Regulation

**2.3 Other hazards**

None known.

**3. Composition of / information about ingredients****3.1 Substances**

Not applicable.

**3.2 Mixtures****Chemical characterisation**

Aqueous solution composed of a combination of modified polysaccharides, a release agent, stabilisers and a preservative agent (preservative agent complies with the German Federal Institute for Risk Assessment (BfR) recommendations XIV and XXXVI as well as 1935/2004/EC).



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Product description: **GRIP FIX™ Type SW 10/4 LS**

Product number: **3 034 200**

### 4. First aid measures

#### 4.1 Description of first aid measures

##### General information

Remove contaminated clothing.

##### After inhalation

Not applicable.

##### After skin contact

Rinse thoroughly with water and soap.

##### After contact with the eyes

Rinse thoroughly for 15 minutes under flowing water with the eyelids held open.

##### After ingestion

Rinse mouth immediately and drink plenty of water.

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

So far, no symptoms known.

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

Symptomatic treatment (decontamination, vital functions).

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### 5. Firefighting measures

#### 5.1. Extinguishing media

Suitable: Water spray, extinguishing powder, CO<sub>2</sub>, foam.

Not suitable: none

#### 5.2. Special hazards arising from the substance or mixture

This product is an aqueous solution. It is not flammable and does not support combustion.

#### 5.3. Firefighting information

In the event of fire, wear respiratory protection with an independent air supply.

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### 6. Accidental release measures

#### 6.1. Personal precautionary measures, protective equipment and emergency procedures to be followed

Wear adequate personal protection equipment (see Section 8).

#### 6.2. Environmental precautions

Smaller amounts (up to approx. 1 L) as well as a product residues can be rinsed away with plenty of water and fed to the sewer system.

Pump out and dispose of larger amounts.

#### 6.3. Methods and material for containment and cleaning up

Clean equipment and system parts with water.

Collect larger amounts in containers and dispose of.

#### 6.4. Reference to other sections

Adhere to protection regulations (see Sections 7 and 8).

For information on disposal, see Section 13.

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H. Rand GmbH



www.GripFix.com

**7. Handling and storage****7.1. Precautions for safe handling**

Observe the general safety regulations when handling chemicals.  
No special measures required when used properly.

**Measures to protect against fire and explosion**

No special measures required

**7.2. Conditions for safe storage, including any incompatibilities**

Protect from heat and direct sunlight.

Sensitive to frost. Storage temperature + 1°C to 30°C.

Do not return any residual material into the containers since contamination could impair the shelf life of the product.

**Storage class:** n/a

**7.3. Specific end uses**

see Section 1.2.

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**8. Exposure control and monitoring/personal protection equipment****8.1. Parameters to be monitored**

**Exposure limits in the workplace and / or biological limits**

**Occupational limit values (AGW), Germany:**

n/a

**8.2. Exposure limits and monitoring**

n/a

**Individual protective measures - personal protective equipment**

Observe the general safety regulations when handling chemicals.

No special measures required when used properly.

**Eye and face protection**

Frame safety glasses / goggles with side protection (EN 166)

**Hand protection**

Gloves made of an impermeable butyl rubber

Gloves from nitrile rubber.

Observe the manufacturer specifications with regard to permeability and penetration time as well as other conditions at the workplace (mechanical stress, duration of contact).

**Respiratory protection**

Not required.

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Product description: **GRIP FIX™ Type SW 10/4 LS**Product number: **3 034 200****9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Shape/colour/odour:	liquid / opalescent, slightly yellowed / slight inherent odour		
pH value:	( 20°C)	3,5 – 5,0	DIN 19268
Melting point:	(1013 hPa)	0 °C	
Boiling point:	(1013 hPa)	100 °C	
Flash point:		not applicable	
Ignition temperature:		not applicable	
Explosions limits:	lower upper	not applicable not applicable	
Density:	(20°C)	1,00 – 1,10 g/cm <sup>3</sup>	ISO 2811-1
Solubility in water:	(20°C)	fully soluble	
Viscosity:	(20°C)	250 - 500 mPa.s (Spindle: 3; 160 rpm)	DIN 51398
<b>9.2 Other information:</b>			
Product can be processed up to		+ 1 °C	

**10. Stability and reactivity****10.1 Reactivity**

No unusual reactivity known.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.

**10.4 Conditions to be avoided**

No decomposition if stored and used properly.

**10.5 Incompatible materials**

None known

**10.6 Hazardous decomposition products**

None known.

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Product description: **GRIP FIX™ Type SW 10/4 LS**Product number: **3 034 200****11. Toxicological information****Acute toxicity**

Practically non-toxic

**Caustic / irritant effect on the skin**

No irritant effect

**Severe eye damage/ irritation**

No irritant effect.

**Respiratory or skin sensitisation**

Not sensitising.

**Germ cell mutagenicity**

No data available on mutagenic effects.

**Carcinogenicity**

No data available on carcinogenic effects.

**Reproductive toxicity**

No data available.

**Specific target organ toxicity in the event of one-time exposure**

No data available.

**Specific target organ toxicity in the event of repeated exposure**

No data available.

**Aspiration hazard**

Not applicable.

**Symptoms and effects (delayed and chronic) with details on the routes of exposure  
also: Information on toxicokinetics, metabolism and distribution**

No symptoms known.

**12. Ecological information****12.1 Toxicity**

Assessment of aquatic toxicity:

No disruptions in the degradation activity of activated sludge are to be expected if properly introduced into biological wastewater treatment plants at low concentrations. With a high level of probability, not acutely harmful to aquatic life.

**12.2 Persistence and degradability**

This product is biodegradable.

No disruptions in the degradation activity of activated sludge are to be expected if properly introduced into adapted biological wastewater treatment plants at low concentrations.

**12.3 Bioaccumulation potential**

No evidence of bioaccumulation potential.

**12.4 Mobility in the ground**

No data available.

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Product description: **GRIP FIX™ Type SW 10/4 LS**Product number: **3 034 200****12.5 Result of the PBT and vPvB assessment**

The constituents in this preparations do not meet the criteria for being classified as PBT or vPvB substances.

**12.6 Other adverse effects**

None known.

**13. Disposal considerations****Treatment of contaminated packaging**

Recommendation:

Packaging must be completely emptied (free of drops, free of trickles, cleaned with a scraper).

Packaging must be sent for re-utilisation, preferably recycled, taking local/national regulations into account.

**Waste code according to the Waste Catalogue Ordinance (AVV)**

No waste key in accordance with the European Waste Catalogue (EWC) can established for this product, as allocation depends on the intended purpose.

The waste code is to be determined within the EU in consultation with the disposal service.

**Special precautionary measures**

None.

**Relevant EU or other regulations**

None

**14. Transport information****14.1 UN number**

Not classified as hazardous material

**14.2 Proper UN shipping name****ADR / RID**

Not classified as hazardous material.

**IMDG code / ICAO-TI / IATA-DGR**

Not classified as hazardous material

**14.3 Transport hazard class**

Not classified as hazardous material

**14.4 Packaging group**

Not classified as hazardous material

**14.5. Environmental hazards****Marking environmentally hazardous substances**

ADR/RID / IMDG code / ICAO-TI / IATA-DGR:  yes /  no

Marine Pollutant:  yes /  no

**14.6 Special precautionary information for users**

Not classified as hazardous material

Relevant information in other sections must be observed.

**14.7 Transport in bulk according to Annex II of MARPOL Convention and according to IBC Code**

Not applicable.

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Product description: **GRIP FIX™ Type SW 10/4 LS**Product number: **3 034 200****15. Regulatory information****15.1 Safety regulations, health and environmental protection/specific legal regulations for the substance or the mixture**

Local and national regulations must be adhered to.

Labelling information can be found in Section 2 of the present document.

**Water hazard class**

Class: 1 (self-classification); slightly hazardous for water according to VwVwS, Appendix 4

**15.2 Chemical safety assessment**

No chemical safety assessment is necessary for this product.

**16. Other information****Changes with respect to the last version**

General revision of classification according to CLP Regulation (EC) 1272/2008