



# Material Safety Data Sheet

## Rail-Traction RT01

In compliance with Regulation (EC) 1907/2006, Regulation (EC) 2015/830  
UK REACH Regulation and Retained CLP Regulation (EU) No 1272/2008.

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1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
<b>1.1</b>	<b>Product Identifier:</b>
	Name Rail Traction – RT01
	Reach Registration No. Exempted in accordance with Annex V.7.
	Synonyms
	Trade names
<b>1.2</b>	<b>Relevant identified uses of the substance</b>
	Main applications – non exhaustive list Adhesion improver for rail vehicles.
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b>
	Company name Hoben International Limited
	Address Manystones Lane Brassington MATLOCK Derbyshire DE4 4HF United Kingdom
	Phone No. +44 (0) 1629 540201
	Email sales@hobeninternational.com
<b>1.4</b>	<b>Emergency telephone number</b>
	Telephone number +44 (0) 1629 540201
	Available outside of office hours? No
2. HAZARD IDENTIFICATION	
<b>2.1</b>	<b>Classification of the substance</b>
2.1.1	Classification according to Retained CLP Regulation (EU) No 1272/2008. This product does not meet the criteria for classification as hazardous.
<b>2.2</b>	<b>Label elements</b>
	Hazard pictogram Not applicable
	Signal word Not applicable
	Hazard statement Not applicable
	Precautionary statements Not applicable
<b>2.3</b>	<b>Other hazards</b>
	This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH

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<b>3.</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>			
<b>3.1</b>	<b>Main constituents</b>			
	Name	Amount	CAS No	EINECS
	Perlite Ore	60-80 %	130885-09-5	603-442-8
	Aluminium Silicate	5 – 20 %	12141-46-7	253-253-8
	Diatomaceous Earth	5 – 15%	61790-53-2	612-383-7
	Bentonite	5 – 15%	1302-78-9	215-108-5
	Water	5 – 15%	7732-18-5	231-791-2
<b>3.2</b>	<b>Impurities</b>			
	< 1% Respirable Crystalline Silica and does not need to be classified or labelled.			
<b>4.</b>	<b>FIRST AID MEASURES</b>			
<b>4.1</b>	<b>Description of first aid measures</b>			
	Eye Contact:	Rinse with copious quantities of water and seek medical attention if irritation persists.		
	Inhalation:	Move exposed person to fresh air immediately and seek medical advice if required.		
	Ingestion:	Wash mouth and give water to drink		
	Skin Contact:	If irritation occurs, wash affected are with plenty of soap and water		
<b>4.2</b>	<b>Most important symptoms and effect, both acute and delayed</b>			
	No acute and delayed symptoms and effects are observed.			
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>			
	No specific actions are required.			
<b>5.</b>	<b>FIRE FIGHTING MEASURES</b>			
<b>5.1</b>	<b>Extinguishing media:</b>			
	No specific extinguishing media is needed. The product is non-combustible.			
<b>5.2</b>	<b>Special hazards arising from the substance or mixture:</b>			
	Non combustible. No hazardous thermal decomposition.			
<b>5.3</b>	<b>Advice for Firefighters:</b>			
	No specific firefighting protection is required.			

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<b>6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures:</b> Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.
<b>6.2</b>	<b>Environmental precautions</b> No special requirements.
<b>6.3</b>	<b>Methods and material for containment and cleaning up</b> Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.
<b>6.4</b>	<b>Reference for other sections</b> See sections 8 and 13.
<b>7.</b>	<b>HANDLING AND STORAGE</b>
<b>7.1</b>	<b>Precautions for safe handling</b> Avoid airborne dust generation. Provide ventilation at places where airborne dust is generated. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques please contact your supplier.  Do not eat or drink in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b> Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.
<b>7.3</b>	<b>Specific end uses</b> If you require advice on specific uses please contact your supplier.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION		
<b>8.1</b>	<b>Control parameters</b>	
	Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).	
	Substance	CAS Number
	Perlite Ore	130885-09-5
	Aluminium Silicate	12141-46-7
	Diatomaceous Earth	61790-53-2
	Bentonite	1302-78-9
	EH40/2005 WEL	
	Substances not listed in EH/40/2005. For WEL's treat as nuisance dust (section 44) 10mg m <sup>3</sup> (inhalable) / 4mg m <sup>3</sup> (Respirable)	
	10mg m <sup>3</sup> (inhalable) / 4mg m <sup>3</sup> (Respirable)	
	1.2mg m <sup>3</sup> (Respirable)	
	10mg m <sup>3</sup> (inhalable) / 4mg m <sup>3</sup> (Respirable)	
	For the equivalent limits in other countries consult your local regulatory authority.	
<b>8.2</b>	<b>Exposure controls</b>	
8.2.1	Appropriate engineering controls Wash hands before breaks and at the end of the day. Remove and wash soiled clothing	
8.2.2	Individual protection measures such as personal protective equipment	
	a) Eye protection	Safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate standards.
	b) Skin protection	No specific requirement. For hands see below.
	c) Hand protection	Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.
	d) Respiratory protection	In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment (e.g. respirator, powered air respirator) that complies with the requirements of European or national legislation.
8.2.3	Environmental exposure controls Avoid wind dispersal	

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<b>9.</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Solid, grey / brown / white mix
	Odour	Odourless
	Odour threshold	Not relevant
	pH	N/A
	Melting point	N/A
	Density	N/A
	Grain shape	Angular
	Solubility in water	Not Soluble
	Flash Point	Not Flammable
<b>10.</b>	<b>STABILITY AND REACTIVITY</b>	
<b>10.1</b>	<b>Reactivity</b> - Inert, not reactive	
<b>10.2</b>	<b>Chemical Stability</b> - Chemically stable	
<b>10.3</b>	<b>Possibility of hazardous reactions</b> - No hazardous reactions	
<b>10.4</b>	<b>Conditions to avoid</b> - Not relevant	
<b>10.5</b>	<b>Incompatible materials</b> - No particular incompatibility	
<b>10.6</b>	<b>Hazardous decomposition products</b> - Not relevant	
<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>	
<b>11.1</b>	<b>Information on toxicological effects</b>	
	a) Acute toxicity	No evidence of acute toxicity.
	b) Skin corrosion/irritation	Substance is not corrosive, may cause mechanical irritation.
	c) Serious eye damage/irritation	May cause mechanical irritation.
	d) Respiratory or skin sensation	No evidence of sensitisation
	e) Germ cell mutagenicity	No evidence of mutagenicity
	f) Carcinogenicity	No evidence of carcinogenicity
	g) Reproductive toxicity	No evidence of reproductive toxicity
	h) STOT-single exposure	Not classified
	i) STOT-repeated exposure	Not classified
	j) Aspiration hazard	Based on available data, the classification criteria are not met

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12. ECOLOGICAL INFORMATION		
12.1	Toxicity	Not relevant
12.2	Persistence and degradability	Not relevant
12.3	Bio accumulative potential	Not relevant
12.4	Mobility in soil	Negligible
12.5	Results of PBT and vPvB assessment	Not relevant
12.6	Other adverse effects	No specific adverse effects known
13. DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods	
	Product	Where possible, recycling is preferable to disposal. Disposal should be carried out in compliance with local regulations.
	Packaging	Dust generation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Disposal of packaging should be carried out in compliance with local regulations by an authorized waste management company.
14. TRANSPORT INFORMATION		
14.1	UN number	Not relevant
14.2	UN proper shipping name	Not relevant
14.3	Transport hazard classes	May cause mechanical irritation.
	ADR	Not classified
	IMDG	Not classified
	ICAO/IATA	Not classified
	RID	Not classified
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not relevant
14.6	Special precautions for user	No special precautions
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not relevant

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<b>15.</b>	<b>REGULATORY INFORMATION</b>	
<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	National legislation/requirements	
	<ul style="list-style-type: none"> <li>Retained CLP Regulation (EU) No 1272/2008.</li> <li>Registration, Evaluation, Authorisation &amp; Restriction of Chemicals (REACH)</li> <li>Workplace Exposure Limits 2005 (EH40)</li> </ul>	
	<b>International legislation/requirements</b>	
	Regulation (EC) No 2037/2000	Not relevant
	Regulation (EC) No 850/2004	Not relevant
	Regulation (EC) No 689/2008	Not relevant
<b>15.2</b>	<b>Chemical safety assessment</b>	
	No chemical safety assessment has been carried out by the supplier.	
<b>16.</b>	<b>OTHER INFORMATION</b>	
	<b>Waste treatment methods</b>	
	<b>Product</b>	Where possible, recycling is preferable to disposal. Disposal should be carried out in compliance with local regulations.
	<b>Packaging</b>	Dust generation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Disposal of packaging should be carried out in compliance with local regulations by an authorized waste management company.
<b>17.</b>	<b>TRANSPORT INFORMATION</b>	
<b>(i)</b>	<b>Indication of changes</b>	
	Not Applicable – version 1	
<b>(ii)</b>	<b>Abbreviations and acronyms</b>	
	<b>EC:</b> European Commission	
	<b>REACH:</b> Registration, Evaluation, Authorisation and Restriction of Chemicals and Substances	
	<b>WEL:</b> Work Place Exposure Limit	
	<b>PBT:</b> Persistent, Bio accumulative, Toxic	
	<b>vPvB:</b> very Persistent and very Bio accumulating	
<b>(iii)</b>	<b>Key literature references and sources for data</b>	
	EH40/2005 Workplace exposure limits (Third edition, 2018)	
<b>(iv)</b>	<b>Classification and procedure used to derive the classification for mixtures according to Retained CLP Regulation (EU) No 1272/2008.</b>	
<b>(v)</b>	<b>Relevant H-statements (number and full text)</b>	
	Not Relevant.	
<b>(vi)</b>	<b>Training advice</b>	
	All employees should be given adequate training in the proper use and handling of this product and any precautions and protective equipment required under applicable regulations.	
<b>(vii)</b>	<b>Further information:</b> EH44/1997 - Dust: General Principles of Protection.	

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