



Safety Data Sheet

Date: 2 March 2015

1. Identification of the substance/preparation and of the company	
Trade name	Natural rubber – including trade name STR5L
Usage of the product	Rubber processing industry
Supplier identification	Joss Elastomers bv Arcadialaan 34 C + D 1813 KN Alkmaar The Netherlands Tel. +31-(0)72-514 07 54 Fax +31-(0)72-515 43 71 E-Mail: elastomers@joss.nl Web-Site: www.joss.nl
Emergency telephone number	Tel. +31-(0)72-514 07 33 (9.00 – 18.00 o'clock) Tel. +31-(0)6 53 40 10 31 (18.00 – 9.00 o'clock)

2. Hazard identification	
Product classification	Product is not classified as dangerous
Most severe physical-chemical effects	Void
Human health and environmental effects and symptoms	Void

3. Composition/Information on ingredients	
Chemical name	Cis-1, 4-polyisoprene
Chemical formula	- [CH ₂ – C (CH ₃) = CH – CH ₂] _n -
EINECS number	232-689-0
CAS number	9006-04-6
R-phrases	none
REACH registration number	Not applicable as Natural Rubber is a natural substance and therefore does not need to be registered.

4. First aid measures	
General information	No special measures required
Symptoms and effects of exposition to Inhalation	Supply fresh air, seek medical help in case of symptoms.
Contact with skin	Product is not skin irritating. In case of skin contact with <u>hot material</u> immediately immerse the affected parts in cold water. Cover affected parts with cotton and call for medical help.
Contact with eyes	Rinse immediately with plenty of water and seek medical advice
Ingestion	Seek medical help immediately and show this container or label

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5. Fire fighting measures	
General	The product is not readily ignitable, but once ignited, it will burn readily with much evolution of heat, smoke and fumes. Sprinkler installations are recommended.
Suitable extinguishing media	CO ₂ extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases	Combustion with restricted access of air can result in the evolution of a mixture of carbon monoxide (CO), carbon dioxide (CO ₂) and Methan (CH ₄) gas. Avoid contact with oxidation catalysts such as cobalt linolate or natphtenate.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus.
6. Accidental release measures	
Personal precautions	Not required
Environmental precautions	Not required
Methods of cleaning up	Collect mechanically for disposal or reuse.
7. Handling and storage	
Handling	No special precaution is required but as with any industrial chemical substance, eye contact, inhalation of vapors should be avoided by good standards of industrial hygiene and safe working practice.
Storage	Requirements to be met by storerooms and containers. Store in a cool (between a minimum of 10°C and a maximum of 30°C) dry and ventilated location. Recommendation is to not store raw natural rubber in direct contact with other materials. Keep away from strong oxidizing agents.
8. Exposure controls/Personal protection	
Occupational exposure limits values and/or biological values	None
General protective and hygienic measures	Keep away from excessive heat and open flame and provide adequate ventilation in the processing area. Keep away from food and beverages.
Respiratory protection	Wear protective mask as precaution against direct inhalation of dust and vapor.
Hand protection	Wear protective gloves. The use depends on the kind and range of the activity in handling the material.
Eye protection	Wear safety goggles.
Skin protection	Wear protective clothing and safety shoes.
9. Physical and chemical properties	
<u>General</u>	
Physical state	Solid in normally compacted bales
Colour	Variable
Odour	Characteristic smell for Natural Rubber
<u>Important health, safety and environmental information</u>	
pH-Value	Not applicable
Boiling point	Not applicable
Flash point	The product is not readily ignitable, but once ignited, it will burn readily with much evolution of heat, smoke and fumes.
Flammability	None

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Explosive properties	None
Oxidizing properties	Not applicable
Vapor pressure	Not applicable
Relative density	At 20 ⁰ C 0,998 g/cm ³
Solubility	
Water Solubility	Not soluble in water
Partition coefficient: n-octanol/water	
Viscosity	Mooney Viscosity ML (1+4) @ 100 ⁰ C, Range if applicable 50-75
Vapor density	Not applicable
Evaporation rate	Not applicable

10. Stability and reactivity

Stability	Stable
Thermal decomposition / Conditions to be avoided	Keep away from excessive heat and open flame.
Materials to avoid	Keep away from strong oxidizing agents.
Hazardous decomposition products	No dangerous decomposition products known

11. Toxicological information

Acute toxicity	None
Primary irritant effect on Eye	Avoid eye contact
Skin sensitization	None
Additional information	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

12. Ecological information

General	None.
Ecotoxicity	Natural Rubber does not need to be registered according to the REACH registration as it is a natural substance. As a consequence a part on ecotoxicity is not necessary.
Mobility	Natural Rubber does not need to be registered according to the REACH registration as it is a natural substance. As a consequence a part on mobility is not necessary.
Persistence and degradability	Natural Rubber does not need to be registered according to the REACH registration as it is a natural substance. As a consequence a part on persistence and degradability is not necessary.
Other adverse effects	Natural Rubber is biodegradable
	Not known

13. Disposal considerations

	Raw Natural Rubber waste can be recycled for the same or similar end use The disposal must be made according to the official regulations in your country
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14. Transport information	
	<p>Preferably transported in a dust free and humid free condition.</p> <p>Land transport.</p> <p>Non dangerous good</p>
15. Regulatory information	
Designation according to EC guidelines	<p>The product is not subject to classification according to EC lists and other sources of literature known to us.</p> <p>The product is not subject to identification regulation under EC directives (67/548/EEC and 1999/45/EC).</p> <p><u>Risk phrases</u> None</p> <p><u>Safety phrases</u> None</p>
16. Other information	
	<p>The information is to our best present knowledge correct and complete and is given in good faith but without warranty. This data may not be all inclusive and should be used as a guide to determine the best conditions for the safe use of the product.</p> <p>This information only concerns the above mentioned product(s) and does not need to be valid if used with other product(s) or in any process.</p> <p>It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.</p> <p>Joss Elastomers or its subsidiaries are not responsible for injury or liability following misuse of the products.</p>

This safety data has been written according to the REACH regulation no 1907/2006 Annex II