

Synthetic Rubber Plant (SBR) Elemir
HIP-Petrohemija d.o.o.

Identification number:
TUS-HIPP-1287

Date: 14.10.2024

SPECIFICATION OF THE INPUT MATERIAL
Sodium Resin Soap

1. Product name/chemical name:	Sodium resin soap/ Mixture of sodium salts of dehydro, dihydro and tetrahydro-abietic acid (sodium salts of disproportionated rosin)				
2. SAP code:	8111589				
3. Technical description:	Resin soap is used for the preparation of emulsifiers used as surfactants, and is applied in the production of styrene-butadiene rubber (SBR). It has a significant impact on the quality of rubber. It is stored and used in liquid form at a temperature of 60-65 °C. CAS number: 61790-51-0				
4. Physical and chemical characteristics:	Item number	Characteristic	Method	Unit	Range of allowed values
	1.	Content of solids	Internal method	Wt. %	68 - 72
	2.	Acid number	Internal method	mg KOH/g	10 - 12
	3.	Content of abietic acid	Internal method	Wt. %	Max. 0.5
	4.	Content of dehydroabietate	Internal method	Wt. %	35 - 40
	5.	Content of bound sulphur	*	Wt. %	Max. 0.2
	6.	Content of unsaponifiable matter (in relation to soap solids)	*	Wt. %	Max. 13
	7.	Content of iron	*	Weight ppm	Max. 15
	8.	Content of manganese	*	Weight ppm	Max. 1

	9.	Content of copper	*	Weight ppm	Max. 1
	10.	Content of iron	*	Weight ppm	Max. 10
	11.	IODINE colour (30% in IPA)	Internal method	mgJ ₂ /100ml	Max. 7
	12.	Appearance	Visual	-	Light brown paste
*Testing shall be performed upon request outside the SBR					
5. Technical/accompanying documentation:	The Supplier is obliged to submit: <ul style="list-style-type: none"> - Safety data sheet, in Serbian - Test report - Data sheet on safety measures - Delivery note 				
6. HSE requirements:	-				
7. Delivery and labelling:	The chemical is delivered in the form of a viscous paste, in tank trucks with a heating coil/heating system (60-65°C). Each tank truck must have a list with the following data: <ul style="list-style-type: none"> - Date - Product name - Data on the manufacturer (company) - Lot/batch number - Net mass of the package unit - Production date - Usage date 				
8. Transport:	Transport by cars				
9. Product eligibility criteria:	Quality compliance with the requirements - The product is in compliance with the specified requirements if it meets the allowed tolerances in all aspects or all the requirements given in this specification and if it successfully passes the industrial test. Uniformity of delivery quality - Delivery of the input material should correspond to the approved sample for procurement. The sample is tested according to the Control and testing plan of input raw materials				

	<p>and chemicals in the SBR. The manufacturer must submit information on changes in its process of production and place of production, as well as samples of products produced under new conditions. After examining the documentation, testing the sample and obtaining a positive outcome of the industrial trial run, the SBR gives its consent for the application and delivery of the input material.</p> <p>Delivery acceptance criterion - The criterion is met if the quality and quantity in relation to the accompanying documentation as well as the requirements in all aspects of this specification are confirmed by the input control.</p>
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