

## Starting point formulation – Tire shine – Sprayable surfactant-free pickering emulsion

Provides an hydrophobic effect and high gloss on the tire – utilizing BYK-1797 and LAPONITE-RD

### Formulation

Position	Component	Supplier	Function	Weight (g)
1	Demineralized water		Solvent	79.05
2	Sodium chloride (NaCl)	Multiple	Electrolyte	0.05
3	LAPONITE-RD (100%)	BYK	Emulsifier	0.90
4	BYK-1797 (100%)	BYK	Surface protection and gloss	20.00
<b>Total</b>				<b>100.00</b>

### Instructions

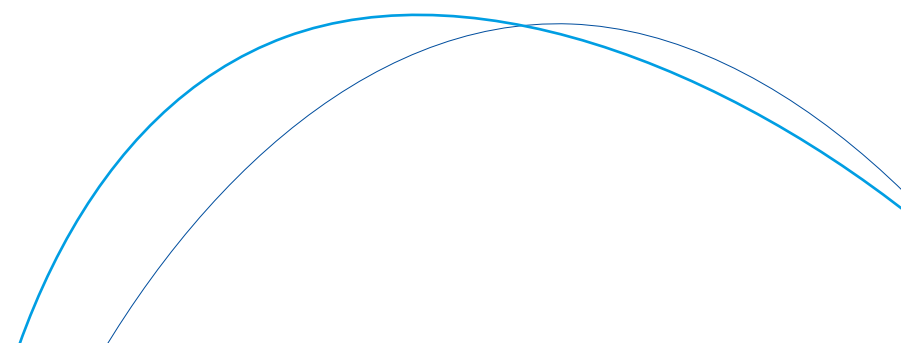
- Mix water and sodium chloride with a homogenizer at 1500 rpm.
- Weigh the perfume oil and the LAPONITE-EP into separate containers.

Turn off the homogenizer and carry out each of the following steps in immediate succession:

- Add the BYK-1797 and the LAPONITE-RD.
- Stir the mixture for 10 min at 10,000 rpm.

Allow the formulation to cool and fill in the desired spray bottle.

The formulation is a white and low viscous fluid and develops a very soft thixotropic behavior within a few hours.



## Characteristic data /specification

Data	Unit	Value
LAPONITE content	%	0.90
Silicone content	%	20.00
Ratio BYK-1797 : LAPONITE		100.00 : 4.50

### Further information /application

- The tire shine emulsion is designed to be used as it is.
- Spray a thin layer of the formulation on the tire wall. After drying, the products form a transparent, glossy and water-repellent coating.



Your local  
contact

**BYK-Chemie GmbH**  
Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

info@byk.com  
www.byk.com

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This issue replaces all previous versions.

