

Technical Datasheet



Trade name : ALUSTAR 500
Reviewed: 03.04.2025
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Description

Bio-Circle ALUSTAR 500 is an aqueous, low-foam cleaner based on surfactants and powerful Additives. It is designed to remove heavy soiling such as soot; Brake dust, Abrasion, as well as cracked and burnt-in oils or fats, for which a highly alkaline cleaner is usually needed. Due to its very good material compatibility, it can also be more sensitive to cleaned Materials like aluminum and non-ferrous metals like brass, bronze and copper are used. According to experience the cleaner is used in the maintenance and repair of machines, especially for rail and road vehicles, but also in the steel industry and metal processing in general.

Application

Bio-Circle ALUSTAR 500 is a concentrate, but can also be used pure for manual purposes. In machines and ultrasonic devices, a working temperature between 40 and 60 ° C is recommended to improve cleaning performance. Working at room temperature is also possible. If necessary slight residues of the cleaner can be rinsed off with water after washing.

Concentration recommendations (in volume%) for typical uses of the product:

Dipping Bath	100	Hot Water Partswasher	10-100	BIO-CIRCLE HP Vigo	10-100
Ultrasonic Devices	10-100	BIO-CIRCLE Turbo	10-100	BIO-CIRCLE HP	10-100

Compatibility with common materials:

Steel / Stainless steel		Aluminium		Non-ferrous metals	
plastics		painted surfaces		Galvanized surfaces	

In the case of sensitive materials, please test the product on a sample or an inconspicuous part of the individual piece before use. If you are unsure, we will be happy to advise you. Further information on labeling, handling and disposal of the product is available from the safety data sheet.

Key to above table :

resistant	limited resistant	not resistant
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Environmental Aspects

Bio-Circle ALUSTAR 500 is free from alkalis, silicates and VOC *. It consists of around 94% readily biodegradable active ingredients, of which almost 25% are of renewable origin. The service life of the cleaner or the cleaning solution diluted with water can be extended with a Plate phase separator (oil separator). Bio-Circle ALUSTAR 500 can compete with highly alkaline Cleaning agents and is safer in use.

* VOC- volatile organic compounds (according to EU definition)

Classification according to Regulation (EC) No.1272/2008 [CLP]

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Transport information

No dangerous goods according to the transport guidelines

Water hazard class (Classification according to AwSV)

Water hazard class : 2 (Significant hazardous to water)

Order information

A02021 20 l Jerry can
A20021 200 l Drum
A10021 1000 l IBC

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