

Trade name : Bio-Circle ALUSTAR 500  
 Reviewed: 10.09.2021  
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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.

## 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)

## 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	5-10	BIO-CIRCLE HP Vigo	5-10
Ultrasonic Devices	5-20	BIO-CIRCLE Turbo	5-10	BIO-CIRCLE HP	5-10

Compatibility with common materials:

Steel / Stainless steel	resistant	Aluminium	resistant	Non-ferrous metals	resistant
plastics	not resistant	Painted surfaces	not resistant	Galvanized surfaces	resistant

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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## Order information

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

## Technical Datasheet



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