

Technical Datasheet

Trade name : Bio-Circle ALUSTAR 300
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Description

ALUSTAR 300 is a highly concentrated, water-based, strong alkaline cleaner for mechanical application. It removes strongest dirt from alkaline resistant materials and also aluminum and non-ferrous metals. ALUSTAR 300 was tested in-house for its suitability for oil separators according to ASTM D 1401-91 and found to be "limited suitable."

Application

ALUSTAR 300 is a low-residue, even at room temperature low-foaming cleaner. It is ideal for machine use in spray applications, but also in immersion- and ultrasonic bath. The cleaning performance can be increased by increasing the temperature, but it is also recommended to choose a low cleaning concentration if subsequent processes require low residue.

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

RWR	2,5 - 7,5	Hot Water Partswasher	2,5 - 7,5	BIO-CIRCLE HP Vigo	2,5 - 7,5
Ultrasonic Devices	2,5 - 7,5	Immersion bath	2,5 - 7,5		

Compatibility with common materials:

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

* When used on copper or its alloys, a concentration between 1 and 2 volume-% is recommended.

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

ALUSTAR 300 is VOC- and phosphate-free. It has demulsifying properties and can be used at room temperature. In application concentration, the bath live time can be prolonged with oil separators, minimum flow time should be 15 minutes. Titration curves for monitoring and possible re-dosing are available.

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

Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Transport information

UN 1760 CORROSIVE LIQUID, N.O.S. (DISODIUM TRIOXOSILICATE)

Water hazard class (Classification according to AwSV)

Water hazard class : 2 (Obviously hazardous to water)

Order information

A02029 20 l Jerry can
A20029 200 l Drum
A10029 1000 l IBC