

Technical Datasheet



Trade name : ALUSTAR 100
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Description

bio-chem ALUSTAR 100 is a water based, less foaming, VOC-free slightly alkaline cleaner to remove contaminations like oils, greases, waxes, resins, soot, nicotine, insect dirt, food-residues and much more. Its demulsifying property enables the use of oil separator (e.g. plate-phase separator), to remove oil and grease input. The contained surfactants are readily biodegradable acc. OECD-guidelines.

Chemical characterisation

Water-based slightly alkaline cleaning agent

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

None

Transport information

ADR : -

Water hazard class (Classification according to VwVwS)

Water hazard class : 1 (Slightly hazardous to water)

Labelling for contents according to regulation (EC) No. 648/2004

< 5 % Phosphates
< 5 % non-ionic surfactants

Safety equipment

Eye / Face protection:	suitable safety goggles acc. EN 166	In case of splash
Hand protection:	suitable gloves type EN 374	In case of possible skin contact
Respiratory protection:	Combination filtering device DIN EN 14387	In case of exceeding exposure limit values

Application

bio-chem ALUSTAR 100 can be diluted with water to a ratio of up to 1:100 in cleaning machines. The concentration level depends on the grade of contamination. It can be used for spray-, high-pressure- and immersion- applications as pre-, intermediate- and final-cleaner, the optimal cleaning temperature is 60°C. After use in the food industry: rinse the cleaned surface with plenty of water.

*Rinse with water if necessary. To determine cleaner's concentration we provide titration manuals and titration curves on request.
Note: Do not use the concentrated cleaner on aluminium and zinc coatings.*

Technical data

Appearance :	Liquid		
Colour :	colourless		
Odour :	characteristic		
Boiling temperature :	ca. 100 °C	Solidifying temperature :	< 0 °C
Flash point :	not relevant	Ignition temperature :	not relevant
Lower explosion limit :	not relevant	Upper explosion limit :	not relevant
Density (20 °C) :	ca. 1,01 g/cm ³	pH-value :	ca. 9,6
VOC (EG) :	0 Wt %	VOC (CH) :	3 Wt %

Storage

Keep container tightly closed. Keep/store only in original container. Protect against sub-zero temperatures. Optimized storage temperature is between 2 °C up to 35 °C. The product is storable in closed original packaging for at least 12 months. Starting date is the date of production.

Storage class (acc. TRGS 510): 12

Disposal advices

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

Waste code acc. EWC/AVV for unused product
20 01 29* detergents containing dangerous substances.

Waste code acc. EWC/AVV for packaging
15 01 02 plastic packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

Order information

A02077 20 l Jerry can
A20077 200 l Drum
A10077 1000 l IBC