

Technical Datasheet



Trade name : BIO-CIRCLE L Star
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Description

BIO-CIRCLE L Star is a biological cleaner for use in high-pressure spraying machines, e.g. the HTW or BIO-CIRCLE HP. The BIO-CIRCLE L Star is developed for heavy cleaning tasks and removes processing oils, cooling lubricants, corrosion protection products, greases and other contaminants and removes them by natural microorganisms.

Chemical characterisation

Aqueous detergent. Contains microorganisms. (Risk group 1: No risk for humans and vertebrates according to the state of the art.)

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 % non-ionic surfactants
perfumes

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	Not necessary

Application

BIO-CIRCLE L Star is a cleaning agent specially developed for use in high pressure spray cleaning, e.g. in the BIO-CIRCLE HP. BIO-CIRCLE L Star is suitable for the cleaning of steel / Stainless steel, plastic and other surfaces.

A resistance test is to be carried out on galvanized surfaces, aluminum and non-ferrous materials.

For an optimal cleaning result, we recommend a service temperature of max. 50 °C.

Note: Ensure a permanent circulation of the medium by means of an aerator.

Technical data

Appearance :	liquid		
Colour :	colourless		
Odour :	characteristic		
Boiling temperature :	ca. 98 °C	Solidifying temperature :	ca. 0 °C
Flash point :	not relevant	Ignition temperature :	not relevant
Lower explosion limit :	not relevant	Upper explosion limit :	not relevant
Density (20 °C) :	ca. 1.0 g/cm ³	pH-value :	8.5 - 9
VOC (EG) :	0 Wt %	VOC (CH) :	0.9 Wt %*

* CH: the product is not subject to the VOC-obligation according to VOCV.

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

A02075 20 l Jerry can
A20075 200 l Drum
A10075 1000 l IBC