

# Technical Datasheet



**Trade name :** BIO-CIRCLE L  
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## Description

BIO-CIRCLE L is a biological cleaner / degreaser for the usage in the manual parts cleaner BIO-CIRCLE. The BIO-CIRCLE L removes work oils, cutter coolants, corrosion protection products, greases and other particles. Oil and grease are immediately and biologically transformed by the micro-organisms. Not only does BIO-CIRCLE's bioremediation process break down the contaminants, but it also maintains the same power and cleanliness level in the solution.

Dermatological Test (Cosmetic Trial): Determination of irritating effects to the skin: The BIO-CIRCLE L was classified as "harmless".

Ö-Norm B5105 approved; reg.-no. ON-N 2011 140

For use in food industry: NSF registration number: 139721, Cat. Code C1

## Chemical characterisation

Water-based, slightly alkaline cleaner with natural micro-organisms (risk group 1: no risk for human beings and vertebrates, current state of art).

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

None

## Transport information

ADR : -

## Water hazard class (Classification according to AwSV)

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 or continuous skin contact
Respiratory protection:	Combination filtering device DIN EN 14387	In case of exceeding exposure limit values

## Application

BIO-CIRCLE L is a cleaner especially designed for the BIO-CIRCLE parts cleaner. BIO-CIRCLE L is a ready-to-use product. Do not add water! Only add original BIO-CIRCLE L if necessary.

Do not add strong acidic or alkaline solutions, disinfectants or solvents to BIO-CIRCLE L.

If used in food industry: Rinse surface with potable water after cleaning.

## Technical data

Appearance :	liquid		
Colour :	colourless		
Odour :	apple		
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 g/cm <sup>3</sup>	pH-value :	ca 8,5
VOC (EG) :	0 Wt %	VOC (CH) :	0,9 Wt %

\* CH: The product is not subject to the VOC duty according to VOC regulation.

## 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 that contain hazardous substances.

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

The waste code for used product depends on the kind of contamination that were washed from spare parts and may be different to those stated here. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Un-cleaned packaging must be disposed of in the same manner as the medium.

## Order information

**A02026** 20 l Jerrycan  
**A20026** 200 l Drum  
**A10026** 1000 l IBC