

# Technical Datasheet



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

BIO-CIRCLE L Ultra is a biological cleaner / degreaser for the usage in the manual parts cleaner BIO-CIRCLE. The BIO-CIRCLE L Ultra removes heavy work oils, cutter coolants, corrosion protection products, greases and other particles. Oil, grease and fats are immediately and biologically transformed by microorganisms.

**For use in food-industry: NSF Registration (Reg.-No. 146757; Cat. Code A1)**

## Chemical characterisation

Water-based cleaning agent with microorganisms. (risk group 1: no risk for humans and vertebrates acc. to the 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

Cleaning solution for the BIO-CIRCLE parts cleaner. Use the BIO-CIRCLE L Ultra pure in the BIO-CIRCLE parts cleaner and do not dilute with water, only add original BIO-CIRCLE L Ultra if necessary. Do not add strong acidic or alkaline solutions, disinfectants or solvents to the BIO-CIRCLE L Ultra. Process temperature up to 41 °C.

If used in the food industry rinse the surface with potable water after cleaning with BIO-CIRCLE L Ultra.

## Technical data

Appearance :	liquid		
Colour :	colourless		
Odour :	characteristic		
Boiling temperature :	approx. 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) :	approx. 1 g/cm <sup>3</sup>	pH-value :	8,5 - 9,5
VOC (EG) :	0 Wt %	VOC (CH) :	0,9 Wt %

\*CH: This product is not under the liability for taxation of VOC acc. VOCV (< 3 % VOC)

## 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		Waste code acc. EWC/AVV for packaging	
20 01 30	detergents other than those mentioned in 20 01 29.	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

**A02072** 20 l Jerrycan  
**A20072** 200 l Drum  
**A10072** 1000 l IBC