

Technical Datasheet

LCT Bio Liquid

Description:

LCT Bio Liquid is a biological cleaner / degreaser for the usage in the manual parts cleaner LCT bio.X. The LCT Bio Liquid 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 LCT bio.X bioremediation process break down the contaminants, but it also maintains the same power and cleanliness level in the solution.

Chemical Characterisation:

Water-based, alkaline cleaner. Contains microorganisms.

Classification and Labelling acc. 67/548/ECC or 1999/45/EC:

Symbol: None

Safety data sheet available for professional user on request. Used micororgansims are non-pathogen bacteria of risk class 1 acc. to Directive 2000/54/EC, TRBA 466 (Germany only).

Class 1 means no risk for human beings and vertebrates at the current state of art.

ADR: No dangerous goods in sense of the transportation regulation.

Water hazard class (WGK): 1 (slightly hazardous to water); classification according to VwVwS (Germany).

Ingredients:

2-Propylheptanol, ethoxylated, propoxylated CAS-Nr. 166736-08-9, EG-Nr. -, REACh Reg. Nr. 0,5 - < 2,5 %

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Labelling for contents according to EC/648/2004: < 5 % non-ionic surfactants, perfumes

Application:

Cleaning solution for the parts cleaner LCT bio.X

Use the LCT Bio Liquid pure in the LCT bio.X models

Do not add strong acidic or alkaline solutions, disinfectants or solvents to the LCT Bio Liquid

Add only original LCT Bio Liquid

Dermatological Test (Cosmetic Trial): Determination of irritating effects to the skin: The LCT Bio Liquid was classified as "harmless".

Usage in the food industry: NSF registered product, Category Code: C1, NSF Reg. No. 139721, after usage in food processing areas rinse off with plenty amount of water

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Disposal:

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.

EC disposal code no. for the unused product:

20 01 30 detergents other than mentioned in 20 01 29.

For contaminated 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.

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

Technical Data:

Physical state : liquid
Colour : colourless
Odour : apple
Solidifying point : ca. 0 °C
Boiling temperature : ca. 98 °C
Flash point : not relevant
Ignition temperature : not applicable
Lower explosion limits : not relevant
Upper explosion limits : not applicable
Vapour pressure : not relevant
Density : ca. 0.99 g/cm³
pH value : ca. 8.5
VOC (EC) : 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 containers tightly closed. Keep/Store in original container. Protect against sub-zero temperatures. Optimal storage temperature is between 2 °C up to 35 °C. The product is storeable in closed original packaging for at least 12 months. Starting date is the date of production.
Storage Class (according to TRGS 510): 12

Please read safety instruction and safety datasheet before use.