

Technical Datasheet



Trade name : Bio Grease-Ex
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Description

Bio Grease-Ex is a residue-free cleaner with high solving power for extreme contaminations like oil and grease, adhesive residues, tar, lubricants, resins, rubber residue and abrasion as well as for paint. Bio Grease-Ex is suitable for cleaning different kinds of materials such as metal, tiles, wood, glass and all other resistant surfaces. It is already working effectively at temperatures from -35 °C and perfect for cleaning and degreasing of complex geometries of steel and stainless steel before further processing. Bio Grease-Ex as well is used before varnishing, adhering, labelling (e.g. in stand construction, advertising and lighting) or before other coating processes. The product has a dual cleaning-effect, the alcoholic component is removing water-soluble residues, the aliphatic component removes oil and grease.

Environmentally friendly – readily bio-degradable: bio-degradation > 90% (method OECD 301E).

Chemical characterisation

Solvent-mixture.

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

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

STOT SE 3 ; H336 - Specific target organ toxicity (single exposure) : Category 3 ; May cause drowsiness or dizziness.

Transport information

ADR : UN 1993 – FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL; 1-PROPOXY-2-PROPANOL)

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

> 30 % aliphatic hydrocarbons

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

Application

Bio Grease-Ex is ready to use, just apply it onto the surface let it work and wipe or rinse off. Dirt once dissolved does not lay down again on the surface. Selected additives grant quick drying – delay times between operations are reduced to a minimum.

Technical data

Appearance :	liquid		
Colour :	colourless		
Odour :	characteristic		
Boiling temperature :	ca. 120 °C	Solidifying temperature :	ca. -80 °C
Flash point :	ca. 35 °C	Ignition temperature :	ca. 280 °C
Lower explosion limit :	1,5 Vol.-%	Upper explosion limit :	13,7 Vol.-%
Density (20 °C) :	ca. 0,9 g/cm ³	pH-value :	not applicable
VOC (EG) :	100 Wt %	VOC (CH) :	100 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): 3

Keep away from sources of ignition – no smoking. Take precautionary measures against static discharge.

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	
07 06 04*	other organic solvents, washing liquids and mother liquors.	15 01 02	plastic packaging
		15 01 04	metal packaging

The waste code for used product depends on the kind of contaminations 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. Uncleaned packaging must be disposed of in the same manner as the medium.

Order information

A50097 500 ml tinplate bottle
A01097 10 l Jerry can
A02097 20 l Jerry can
A20097 200 l Drum