

Technical Datasheet



Trade name : Power Cleaner DB
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Discription

bio-chem Power Cleaner DB is an efficient, less foaming, acidic cleaning agent without hydrochloric acid. It removes lime scale, urine scale, rust, green weather layer, mineral deposits and much more.

Chemical characterisation

Water-based strong acidic cleaning agent.

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

Skin Corr. 1A ; H314 - Skin corrosion/irritation : Category 1A ; Causes severe skin burns and eye damage.
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.
Met. Corr. 1; H290 - Corrosive to metals: Category 1; May be corrosive to metals.

Transport information

ADR : UN 1760 CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)

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
< 5 % anionic surfactants

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	In case of exceeding exposure limit values

Application

bio-chem Power Cleaner DB is designed for mechanical removing of lime scale rust urine scale (for example the cleaning of vacuum toilets or the flushing of pipes). Excellent for the use in RWRs (typical concentrations between 10% - 20%) or for high-pressure spray applications in HTWs (typical concentrations between 5% - 10%). Read the machines manual instructions before use with Power Cleaner DB.

Note: Do not use on acid-sensitive surfaces or high gloss polished metals. Check compatibility before use.

Technical data

Appearance :	liquid	Solidifying temperature :	ca. -4 °C
Colour :	yellow	Ignition temperature :	not relevant
Odour :	characteristic	Upper explosion limit :	not relevant
Boiling temperature :	ca. 98 °C	pH-value :	ca 0,6
Flash point :	not relevant	VOC (CH) :	2,6 Wt %
Lower explosion limit :	not relevant		
Density (20 °C) :	ca. 1,14 g/cm ³		
VOC (EG) :	2,6 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): 8B

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 01*	aqueous washing liquids and mother liquors.	15 01 02	plastic packaging
20 01 29*	detergents containing dangerous substances.		

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

A01028 10 l Jerry can
A02028 20 l Jerry can
A20028 200 l Drum
A10028 1000 l IBC