

Technical Datasheet



Trade name : STAR 200
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Description

bio-chem STAR 200 is a highly concentrated cleaner for efficient removal of oil, grease, grinding dust, polishing paste, protein and other soiling. Especially for use in cleaning processes during metal working. It is a foamless product, easy to use and free of phosphates. The contained surfactants are readily biodegradable acc. OECD-guidelines.

Chemical characterisation

Water-based strong alkaline cleaning agent.

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

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.
Skin Corr. 1A ; H314 - Skin corrosion/irritation : Category 1A ; Causes severe skin burns and eye damage.

Transport information

ADR : UN1760 - CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE, DISODIUM TRIOXOSILICATE)

Water hazard class (Classification according to VwVwS)

Water hazard class : 2 (hazardous to water)

Labelling for contents according to regulation (EC) No. 648/2004

5 - 15 % 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 or enduring skin contact
Respiratory protection:	Combination filtering device DIN EN 14387	In case of exceeding exposure limit values

Application

bio-chem STAR 200 can be diluted with water to a ratio of up to 1:100 in cleaning machines. The concentration level depends on the grade of contamination.

Rinse with water if necessary. To determine cleaner's concentration we provide titration manuals and titration curves on request.

Note: Do not apply on aluminium and sensitive surfaces. Check compatibility before use.

Technical data

Appearance :	Liquid		
Colour :	red		
Odour :	characteristic		
Boiling temperature :	ca. 93 °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. 1,07 g/cm ³	pH-value :	ca. 13,5
VOC (EG) :	0 Wt %	VOC (CH) :	0 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
20 01 29* Detergents containing dangerous substances.

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

A02078 20 l Jerry can
A20078 200 l Drum
A10078 1000 l IBC