

Technical Datasheet



Trade name : bio-chem STAR US 3
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Discription

Bio-chem STAR US 3 is a water-based, alkaline cleaning concentrate for the use especially in ultrasonic baths. Bio-chem STAR US 3 was developed for removing strong oil and grease contaminations as well as pigment dirt. In spite of its cleaning performance bio-chem STAR US 3 is gentle to metal surfaces like Aluminium or non-ferrous metals and cleans and degreases where elsewhere solvent-based products are needed.

Chemical characterisation

Water-based, alkaline surfactant solution for cleaning and degreasing. Free of VOC.

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. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.
STOT SE 3 ; H335 - Specific target organ toxicity (single exposure) : Category 3 ; May cause respiratory irritation.

Transport information

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

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

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

Application

Put the component to be cleaned into an ultrasonic bath filled with bio-chem STAR US 3. The cleaner is miscible with water in any proportion, this allows to adjust the cleaning performance individually.

Technical data

Appearance :	Liquid	Solidifying temperature :	ca. 0 °C
Colour :	colourless	Ignition temperature :	ca. 200 °C
Odour :	characteristic	Upper explosion limit :	not relevant
Boiling temperature :	ca. 98 °C	pH-value :	ca. 12
Flash point :	not relevant	VOC (CH) :	40 Wt %
Lower explosion limit :	not relevant		
Density (20 °C) :	ca. 1 g/cm ³		
VOC (EG) :	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

Note on storage: Do not store together with acids.

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 the used cleaner is depending on the input and kind of contamination. 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

A00553-3 5 l Jerry can
A01053-3 10 l Jerry can
A03053-3 30 l Jerry can