Technical Datasheet

DE

BIO-CIRCLE®

MAKING GREEN WORK.

Trade name :	UNO S F		
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Description

bio-chem UNO S F is a water-based, highly concentrated, alkaline, foamless cleaner for removing oil, grease and protein-based stains, separating agents and waxes, fresh paints and pigments from most surfaces, such as metals, wood, plastic, textiles and other similar. bio-chem UNO S F is used for cleaning and degreasing in industrial and automatic systems in all branches of industry, particularly in the metalworking and for cleaning of riddles and stencils.

Chemical characterisation

Water-based 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 Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Transport information

ADR : -

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

< 5 % anionic surfactants
< 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 enduring skin contact
Respiratory protection:	Combination filtering device DIN EN 14387	In case of exceeding exposure limit values

Application

bio-chem UNO S F is water-dilutable up to a ratio of 1:40. Just spray the dilution on the target surface. Allow a short time to take effect. The effect time depends on type, degree and age of dirt. Then rinse off with plenty of water. bio-chem UNO S F already works at room-temperature but an increase of temperature (up to 90 °C) cuts the cleaning time.
Note: In case of usage in food industry: Rinse off cleaned surface with water. Used on aluminium and zinc surfaces a dilution of 1:30 to 1:40 is recommended. Check compatibility before use.

Technical data

Appearance :	liquid		
Colour :	red		
Odour :	characteristic		
Boiling temperature :	ca. 98 °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. 1,03 g/cm³	pH-value :	ca. 13
VOC (EG) :	5 Wt %	VOC (CH) :	5 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): 12

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.		

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

A50035	500 ml PET bottle with trigger – TU: 20 x 500 ml (1 box)
A02035	20 l Jerry can
A20035	200 l Drum
A10035	1000 l IBC