Technical Datasheet

Trade name :	STAR US 6		
Reviewed:	26.10.2020		
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Description

STAR US 6 is designed for use in ultrasonic and immersion baths. It cleans machining oils, vegetable oils and fats, as well as fresh paints and the like from components made of steel, ferrous materials, plastics, aluminum and non-ferrous metals. Due to the emulsifying properties of the cleaner, the cleaned components are not pulled through a layer of the removed and floating oil and grease and soiled again when they are removed.

Chemical characterisation

Water-based, slightly alkaline cleaning agent.

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

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Transport information

ADR : -

Water hazard class (Classification according to AwSV)

Water hazard class : 1 (hazardous to water)

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

< 5 % nonionic surfactants
< 5 % cationic 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

STAR US 6 can be used at room temperature (approx. 20 ° C), to increase the cleaning performance, the cleaner or the cleaning solution can be heated up to 80 °C. A temperature of 40 - 60 ° C is recommended for ultrasonic baths or heated immersion baths. STAR US 6 is compatible with plastics, steel and iron alloys diluted as well as concentrated. Rust-prone materials must be dried thoroughly after the cleaning process and protected from rust. For aluminum and non-ferrous metals, the cleaner must be diluted (approx. 10%); a compatibility test on a test piece (or in an inconspicuous area) is advisable. If discoloration can be observed on the surface of the component, this is a sign of incompatibility. It can help to reduce the concentration of the detergent, the temperature of the cleaning solution or the cleaning time.

Technical data

Appearance :	liquid		
Colour :	yellow		
Odour :	characteristic		
Boiling temperature :	ca. 99 °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. 1,01 g/cm³	pH-value :	11
VOC (EG) :	0 Wt %	VOC (CH) :	0 Wt %

Storage

Keep container tightly closed. Keep/store only in original container. Do not store together with acids. Protect against sub-zero temperatures. Optimized storage temperature is between 5 °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	
20 01 29*	detergents containing dangerous substances.	15 01 02	plastic packaging

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.
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

A00553-6 5 l Jerry can
A02053-6 20 l Jerry can