

# Technical Datasheet



Trade name : STAR US 2  
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## Description

STAR US 2 is an alkaline, phosphate-free universal cleaning concentrate designed for special use in ultrasonic systems to remove oil, grease, soot, cooling lubricants, coking, scale, dust and fingerprints as well as separating agent and plastic residues from tools and molds in the plastics industry . Optimal cleaning results can be achieved even at room temperature.

## Chemical characterisation

Water-based, alkaline cleaner.

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

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.  
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

## 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

STAR US 2 is especially designed for use in ultrasonic devices and - depending on the severity of the contamination - can be mixed with water in a ratio of up to 1:40.  
The cleaner already works at room temperature.

*Note: Do not use the cleaner in concentrated form on aluminum and zinc coatings. Carry out a compatibility test on an inconspicuous area before using on these materials.*

## Technical data

Appearance :	liquid		
Colour :	red		
Odour :	characteristic		
Boiling temperature :	ca. 97 °C	Solidifying temperature :	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/cm <sup>3</sup>	pH-value (20 °C / 100 g/l) :	ca. 11,5
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.

<b>Waste code acc. EWC/AVV for unused product</b>	<b>Waste code acc. EWC/AVV for packaging</b>
20 01 29* Detergents containing dangerous sub-stances.	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

A00553-2 5 l Jerry can  
A01053-2 10 l Jerry can  
A02053-2 20 l Jerry can

( EN )