

## TECHNICAL DATA SHEET

**HAKUPUR 50-706-2****Cleaner**

00013507062

version 4/20072020/vonderSaal

**Description And Use**

Cleaning concentrate

Alkaline cleaner

For detachment of persistent oil, grease and dirt deposits

For work parts made of iron, steel, cast iron, aluminum, galvanized steel

**Product Characteristics**

Alkaline

Biocide-free

**Material suitability**

- Cast iron ✓✓
- Steel ✓✓✓
- High alloyed and quenched and tempered steels ✓✓
- Aluminum ✓✓
- Non ferrous metal ✓
- Galvanised steel ✓✓

**Application processes**

Immersion

Ultra-sonic

Manually

Brushing

**Typical Process Flow**

By immersion, wiping or washing down

By immersion and ultrasonic process

**Physical Properties**

Appearance: liquid, yellow, clear

Density (20 °C), [g/cm<sup>3</sup>]: 1.31

Density (68 °F), [lb/gal]: 10.932

pH-value (conc.): 13.0

pH-value (1 %): 10.5

Material Spec. acc. Detergents Regulation (EC) No. 648/2004:

&lt; 5 % nonionic surfactants

&lt; 5 % anionic surfactants

≥ 5 % - &lt; 15 % phosphates

≥ 5 % - &lt; 15 % phosphonate

**Instructions For Use**

Application concentration: 0.5 - 10.0 weight % in water

**ADVANTAGES**

- Good cleaning and degreasing effect
- Low consumption
- Alkaline cleaning of aluminum and galvanized steel
- High performance

Application temperature [°C]: 40 - 80

Application temperature [°F]: 104 - 176

**Bath Control**

Titration of 20 mL bath solution with hydrochloric acid c(HCL) = 0.1 mol/L (0.1 N) and indicator solution bromophenol blue

Factor: 0.152

Calculation of the bath concentration: consumed titration agent (ml) x factor = concentration in %

**Storage**

At temperatures from +5 to + 50 °C / 14 to 122 °C.

Protect from frost

**Shelf life**

720 days in abundance with the storage conditions.

**Occupational safety, environmental protection and disposal**

Waste code (EWC/AVV): 070601

Contaminated solutions have to be lead to an appropriate waste water treatment.

**Further Information**

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