

# Technical Datasheet



Trade name : SURFOX-M  
Reviewed: 03.02.2020  
Date of print : 03.02.2020

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## Description

SURFOX-M is an especially developed electrolytic solution for permanent black etching of stainless steel. The oxidation process leaves a black mark on the stainless steel surface, without changing it. Marks on stainless steel are resistant to mechanical and chemical attacks.

## Chemical characterisation

Water-based, pH-neutral, electrolytic solution.

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

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## Transport information

ADR : -

## Water hazard class (according AwwV)

Water hazard class : 1 (Slightly hazardous to water)

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

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## 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	Not necessary

## Application

For the correct Application of SURFOX-M in combination with SURFOX devices, please see "marking operation" in the user manuals of the specific devices.

## Technical data

Appearance :	Liquid		
Colour :	colourless		
Odour :	odourless		
Boiling temperature :	ca. 100 °C	Solidifying temperature :	not determined
Flash point :	> 60 °C	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 :	ca. 7
VOC (EG) :	0 Wt %	VOC (CH) :	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): 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**  
11 01 99 Waste n.o.s.

**Waste code acc. EWC/AVV for packaging**  
15 01 02 plastic packaging

The waste code for used product depends on the kind of contamination 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

**H04891** 250 ml refill bottle