

Performance you can trust

## ULTRAGUARD® SC Machine Tool System Cleaner

**ULTRAGUARD® SC is a system cleaner for use with water-mix cutting fluids, and is specially designed for use prior to recharging machine tools with fresh cutting fluid. ULTRAGUARD® SC is a biocide-based cleanser and slime remover that cleans and disinfects in one operation, reaching into all areas where the cutting fluid flows through the system, eliminating micro-organisms swiftly and effectively.**

### Features

- Effective against aerobic and anaerobic bacteria, yeasts and moulds.
- Cleans and disinfects in one operation.
- Used whilst machine is in operation.
- No loss of production time.
- Extends sump life of fresh cutting fluid.
- Reaches all areas where the cutting fluid flows.

### Directions for Use

ULTRAGUARD® SC should be introduced to the cutting fluid system as follows:-

1. Before the start of the last operational shift, add ULTRAGUARD® SC to the emulsion in the sump, at a dilution of 100 parts of emulsion to 1 part ULTRAGUARD® SC (50ml for every 5litres of emulsion).
2. Work the complete shift with ULTRAGUARD® SC in the emulsion.
3. Empty the system on completion of the shift.
4. Rinse the system with water until the water appears clean and clear.
5. Refill the system with fresh cutting fluid to the recommended dilution

T +44 (0) 113 232 2600  
F +44 (0) 113 232 2740  
E [customer-service@rocol.com](mailto:customer-service@rocol.com)  
[www.rocol.com](http://www.rocol.com)

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67  
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd



BS EN ISO 9001  
Certificate No. FM 12448



BS EN ISO 14001  
Certificate No. EMS 67596



OHSAS 18001  
Certificate No. OHS 78173



INVESTOR IN PEOPLE

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

## ULTRAGUARD® SC

|                                |  |
|--------------------------------|--|
| <b>Appearance</b>              | Pale yellow liquid                               |
| <b>Odour</b>                   | Mild   |
| <b>pH</b>                      | 12.5 at 100:1 dilution                           |
| <b>Density at 20°C</b>         | 1.14 g/cm <sup>3</sup>                           |
| <b>Storage</b>                 | Store at normal ambient temperature (5 to 30°C)  |
| <b>Pack Sizes – Part Codes</b> | 1 ltr - 52024<br>5 ltr - 52026<br>20 ltr - 52023 |

**WARNING!**

ULTRAGUARD® SC, especially in its concentrated form, should not be allowed to come into contact with reactive metal surfaces, such as aluminium, zinc or galvanised surfaces. The product may react with these metals to form hydrogen gas, which will form an explosive mixture with air in enclosed spaces.

Date: Jan-09

T +44 (0) 113 232 2600  
F +44 (0) 113 232 2740  
E customer-service@rocol.com  
[www.rocol.com](http://www.rocol.com)

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67

Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd

BS EN ISO 9001  
Certificate No. FM 12448



BS EN ISO 14001  
Certificate No. EMS 67596



OHSAS 18001  
Certificate No. OHS 78173



INVESTOR IN PEOPLE

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.



**SAFETY DATA SHEET**  
ULTRAGUARD SC

Page: 1

Compilation date: 03/05/2011

Revision No: 4

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** ULTRAGUARD SC

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** Coolant system cleaning fluid

**1.3. Details of the supplier of the safety data sheet**

**Company name:** ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

**Tel:** +44 (0) 113 232 2700

**Fax:** +44 (0) 113 232 2740

**Email:** [customer-service@rocol.com](mailto:customer-service@rocol.com)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 113 232 2600

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** C: R34; Sens.: R43

**Most important adverse effects:** Causes burns. May cause sensitisation by skin contact.

**2.2. Label elements**

**Label elements under CHIP:**

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

R43: May cause sensitisation by skin contact.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

[cont...]

# SAFETY DATA SHEET

ULTRAGUARD SC

Page: 2

## 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

HEXAHYDROTRIAZINE DERIVATIVE

| EINECS    | CAS        | CHIP Classification          | CLP Classification | Percent |
|-----------|------------|------------------------------|--------------------|---------|
| 246-764-0 | 25254-50-6 | Xn: R22; Xi: R36; Sens.: R43 | -                  | 1-10%   |

SODIUM HYDROXIDE

|           |           |        |   |       |
|-----------|-----------|--------|---|-------|
| 215-185-5 | 1310-73-2 | C: R35 | - | 1-10% |
|-----------|-----------|--------|---|-------|

SODIUM PYRITHIONE

|           |           |                             |   |     |
|-----------|-----------|-----------------------------|---|-----|
| 223-296-5 | 3811-73-2 | Xn: R20/22; Xi: R36; N: R50 | - | <1% |
|-----------|-----------|-----------------------------|---|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur.

**Inhalation:** There may be coughing and a sore throat.

### 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

# SAFETY DATA SHEET

ULTRAGUARD SC

Page: 3

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL        | 8 hour TWA | 15 min. STEL |
|-------|------------|---------------------|------------|--------------|
| UK    | -          | 2 mg/m <sup>3</sup> | -          | -            |

### 8.2. Exposure controls

**Respiratory protection:** Respiratory protection not normally required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Yellow

[cont...]

# SAFETY DATA SHEET

ULTRAGUARD SC

Page: 4

**Odour:** Characteristic odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Flash point°C:** > 100

**Autoflammability°C:** > 200

**Relative density:** 1.08

**pH:** 12

## 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong reducing agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Relevant effects for mixture:

| Effect        | Route       | Basis                 |
|---------------|-------------|-----------------------|
| Corrosivity   | OPT INH DRM | Hazardous: calculated |
| Sensitisation | DRM         | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur.

**Inhalation:** There may be coughing and a sore throat.

[cont...]

# SAFETY DATA SHEET

ULTRAGUARD SC

Page: 5

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** Not applicable.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Non-volatile. Absorbed only slowly into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1824

### 14.2. UN proper shipping name

**Shipping name:** SODIUM HYDROXIDE SOLUTION

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

## Section 15: Regulatory information

[cont...]

# SAFETY DATA SHEET

ULTRAGUARD SC

Page: 6

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Phrases used in s.2 and 3:** R20/22: Harmful by inhalation and if swallowed.

R22: Harmful if swallowed.

R34: Causes burns.

R35: Causes severe burns.

R36: Irritating to eyes.

R43: May cause sensitisation by skin contact.

R50: Very toxic to aquatic organisms.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.