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Corrosion protector 1L

Art.: 08901351

## Safety Data Sheet according to EC-Regulation 91/155/EEC

### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or preparation

#### Corrosion protector 1L

**Art.: 08901351**

#### Use of the substance/preparation

Corrosion inhibitor

#### Company/undertaking identification

Wurth UK Ltd 1 Centurion Way, Erith, UK-DA18 4AE Kent

Telephone 020 8319 6000, Fax 020 8319 6400

Distributor: see point 16 of this EC safety data sheet

#### Emergency telephone / Office for advice

#### Advisory office in case of poisoning:

Tel.: +49 30 / 19240 Berlin

#### Telephone number of the company in case of emergencies:

Tel. 020 8319 6000 (08-00 h - 18-00 h)

### 2. Composition/information on ingredients

2.1 Chemical name	content %	symbol	R-phrases	EINECS, ELINCS
Nitrioltriethanol	1 - 5	Xi	36/37/38	203-049-8
For complete wording of the R-phrases, refer to point 16.				

### 3. Hazards identification

#### 3.1 To people

See point 11 and 15.

Preparation is not classified as hazardous in the sense of directive 1999/45/EC.

#### 3.2 To the environment

See point 12.

### 4. First aid measures

#### 4.1 Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### 4.2 Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### 4.3 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

#### 4.4 Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

#### 4.5 Special resources necessary for first aid

n.c.

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## 5. Fire-fighting measures

### 5.1 Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray / foam / CO2 / dry extinguisher

### 5.2 Extinguishing media which must not be used for safety reasons

n.c.

### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic pyrolysis products.

### 5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

### 5.5 Further information

Dispose of contaminated extinction water according to official regulations.

## 6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

### 6.1 Personal precautions

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental measures

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

### 6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr, sawdust), and dispose of according to point 13.

Flush residue using copious water.

## 7. Handling and storage

### 7.1 Handling

#### Tips for safe handling:

See point 6.1

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Wash hands before breaks and at end of work.

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

### 7.2. Storage

#### Requirements for storage rooms and containers:

Store products only unopened, in original packing.

Not to be stored in gangways or stair wells.

#### Special storage conditions:

See point 10.2

Store at room temperature.

Protect from frost.

## 8. Exposure controls/personal protection

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Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Respiratory protection:

Normally not necessary.

Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Safety gloves made of natural rubber latex (EN 374).

Protective gloves in butyl rubber (EN 374).

Safety gloves made of chloroprene (EN 374).

Minimum layer thickness in mm:

0,5

Permeation time (penetration time) in minutes:

> 480 (Level 6)

Protective hand cream recommended.

Eye protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

## 9. Physical and chemical properties

Physical state:	Liquid
Colour:	Amber, Black
Odour:	Slightly
pH-value undiluted:	Not detected
10 % pH-value:	Not detected
Boiling point/range (°C):	Not specified
Melting point/range (°C):	Not detected
Flash point (°C):	n.a.
Oxidising properties:	No
Minimum limit of explosion:	n.a.
Maximum limit of explosion:	n.a.
Vapour pressure:	Not detected
Density (g/ml):	1,0
Solubility in water:	Soluble
Viscosity:	Not detected

## 10. Stability and reactivity

### Conditions to avoid

See point 7

Stable when handled and stored correctly.

### Materials to avoid

Avoid contact with strong acids.

### Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

## 11. Toxicological information

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### Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	n.av.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	n.av.
Eye contact:	n.av.

### Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	n.c.

### Further information

Classification according to calculation procedure.

The following may occur:

Irritation of the eyes  
With long-term contact:  
Irritation of the skin.  
Ingestion of large quantities:  
Vomiting  
Nausea  
Gastrointestinal disturbances

## 12. Ecological information

Water hazard class (Germany):	Not hazardous to water.
Self classification:	Yes (Vw/VwS)
Persistence and degradability:	n.av.
Behaviour in sewage plants:	According to the recipe, contains no AOX.
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.

## 13. Disposal considerations

### 13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 01 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Pay attention to local and national official regulations  
E.g. suitable incineration plant.  
E.g. dispose at suitable refuse site.

### 13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

## 14. Transport information

### General statements

UN-Number: n.a.

### Road/Rail-transport (ADR/RID)

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Class/packing-group: n.a.

Classification code: n.a.

LQ: n.a.

**Transport by sea**

IMDG-code: n.a. (class/packing-group)

Marine Pollutant: n.a.

**Transport by air**

IATA: n.a. (class/secondary danger/packing-group)

**Additional information:**

Non-dangerous material according to Transport Regulations.

**15. Regulatory information****Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)**

Symbols: Not applicable

Indications of danger: ---

R-phrases:

S-phrases:

Additions:

Safety data sheet available for professional user on request.

Observe restrictions: n.a.

VOC 1999/13/EC 0% w/w

**16. Other information**

These details refer to the product as it is delivered.

Storage class VCI (Germany): 12

Revised points: n.a.

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2).

36/37/38 Irritating to eyes, respiratory system and skin.

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**Legend:**

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference

period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:



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