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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 15.10.2010 / 0003

Replaces revision of / Version: 18.05.2009 / 0002

Valid from: 15.10.2010

PDF print date: 15.10.2010

Orange Leak OL2002 500 ml Art.: 8PE 351 226-061

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Identification of the substance or mixture / Product identifier

**Orange Leak OL2002 500 ml**

**Art.: 8PE 351 226-061**

#### Use of the substance/mixture

Leak detector

#### Relevant identified uses of the substance or mixture:

n.av.

#### Uses advised against:

n.av.

#### Company/undertaking identification / Details of the supplier of the safety data sheet

Hella KGaA Hueck & Co, Rixbecker Str. 75, D-59552 Lippstadt

Telephone +49 (0) 2941 38 0, Fax +49 (0) 2941 38 7081

www.hella.de

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

#### Emergency telephone

#### Advisory office in case of poisoning:

Tel.:

+49 228 / 19240

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

Tel. +49 (0) 2941 38 1562

### SECTION 2: Hazards identification

#### To people

See point 11 and 15.

The mixture is classified as dangerous in the terms of the directive 1999/45/EC.

43 May cause sensitization by skin contact.

#### To the environment

See point 12.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

n.a.

#### 3.2 Mixture

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)

Registration number (ECHA)	-
Index	613-167-00-5
EINECS, ELINCS	-
content %	0,0015-<0,025
Symbol	T/C/N
R-phrases	23/24/25-34-43-50-53



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**Classification categories / Indications of danger**

Corrosive, Dangerous for the environment, Sensitizing,  
Toxic

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Inhalation**

Remove person from danger area.  
Supply person with fresh air and consult doctor according to symptoms.

**Skin contact**

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

**Eye contact**

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

**Ingestion**

Rinse the mouth thoroughly with water.  
Give copious water to drink - consult doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

n.av.

**4.3 Indication of any immediate medical attention and special treatment needed**

n.c.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Adapt to the nature and extent of fire.  
Water jet spray/foam/CO2/dry extinguisher

**Unsuitable extinguishing media**

None known

**5.2 Special hazards arising from the substance or mixture**

Oxides of carbon  
Toxic pyrolysis products.

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.  
Protective respirator with independent air supply.  
According to size of fire  
Full protection, if necessary  
Dispose of contaminated extinction water according to official regulations.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure sufficient supply of air.  
Avoid contact with eyes or skin.  
If applicable, caution - risk of slipping

**6.2 Environmental precautions**

If leakage occurs, dam up.  
Prevent surface and ground-water infiltration, as well as ground penetration.  
Prevent from entering drainage system.

**6.3 Methods and material for containment and cleaning up**

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

**6.4 Reference to other sections**



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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

In addition to information given in this section, relevant information can also be found in Section 8 and 6.1.

Ensure good ventilation.

Avoid contact with eyes or skin.

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

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Protect from frost.

### 7.3 Specific end use(s)

n.av.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

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.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Eye/face protection:

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

If applicable

Safety gloves made of butyl (EN 374)

Protective nitrile gloves (EN 374)

Protective PVC gloves (EN 374)

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

Normally not necessary.

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.

#### 8.2.3 Environmental exposure controls

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Orange, Transparent
Odour:	Odourless
pH-value undiluted:	7,3 (20°C)
Initial boiling point and boiling range (°C):	~ 100
Melting point/freezing point (°C):	~ 0
Flash point (°C):	n.a.
Flammability (solid, gas):	No
Vapour pressure:	Water
Density (g/ml):	1,013 g/cm <sup>3</sup>
Water solubility:	Mixable

## SECTION 10: Stability and reactivity

### Conditions to avoid

See point 7

Stable when handled and stored correctly.

### Materials to avoid

See point 7

No dangerous reactions are known.

### Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 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:	Yes (skin contact)
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	n.c.

### Further information

The product was not tested.

Classification according to calculation procedure.

The following may occur:

Sensitive individuals:

Allergic reaction possible.

## SECTION 12: Ecological information

The product was not tested.

Persistence and degradability: n.av.

Behaviour in sewage plants: n.av.

Aquatic toxicity: n.av.

Ecological toxicity: n.av.

Mobility: n.av.

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Accumulation:	n.av.
Results of PBT assessment	
n.av.	
Other adverse effects:	n.av.

## SECTION 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 07 01 aqueous washing liquids and mother liquors

16 05 08 discarded organic chemicals consisting of or containing dangerous substances

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.

Untamminated packaging can be recycled.

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

## SECTION 14: Transport information

### General statements

UN-Number: n.a.

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

Class/packing group: n.a.

Classification code: n.a.

LQ: n.a.

Tunnel restriction code:

### 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.

## SECTION 15: Regulatory information

### Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: Xi

Indications of danger:

Irritant

R-phrases:

43 May cause sensitization by skin contact.

S-phrases:

23 Do not breathe vapour/spray.

24 Avoid contact with skin.

35 This material and its container must be disposed of in a safe way.

37 Wear suitable gloves.





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51 Use only in well-ventilated areas.

Additions:

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)

Observe restrictions: Yes

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII.

VOC (1999/13/EC): 0,1%

## SECTION 16: Other information

These details refer to the product as it is delivered.

Revised points: n.a.

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitization by skin contact.

50 Very toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

## 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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