

# Safety Data Sheet

In accordance with REACH Regulation (EC) no. 1907/2006

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

<b>Productname:</b>	<b>UNITIN DESOLDERING STRIPS</b>	<b>PR-nr.:</b> -
<b>Relevant identified uses of the substance or mixture and uses advised against:</b> DESOLDERING STRIPS for removing excess solder tin.		
<b>Details on the supplier of the MSDS:</b>		<b>Producer:</b>
Company:	Unipak A/S Marktoften 3c 8464 Galten Danmark	
Contact person:	lve@eurofins.dk	
<b>Emergency phone no:</b>	+45 86 26 11 77 +45 82 12 12 12 (Bispebjerg hospital, Giftlinje)	
Dato:	07.06.2011	

The logo for Unipak, featuring the word "Unipak" in a bold, yellow, sans-serif font with a blue outline.

## 2. Hazards identification

### Classification of the substance or mixture:

The product is not classified as harmful with regard to Danish Environment Ministry Order no. 50/2011.  
The product may have an irritant effect on repeated or constant contact with the skin.

### Label elementes:

#### Labeling according 50/2011

Eurofins Product Testing A / S, 7 June 2011 considered that the product should not be classified according to "Miljøministeriets" Decree on classification, labeling, etc.

Safety data sheet available for professional users

Other hazards: No known.

PBT/vPvB: The ingedients are not PBT/vPvB according to the kriterias in REACH annex XIII.

## 3. Composition/information on ingredients

### Products: -

### Mixtures:

<u>Product</u>	<u>CAS-no.</u>	<u>EF-no.</u>	<u>Indeks-no.</u>	<u>Weight-%</u>	<u>REACH reg.-no.</u>	<u>Classification</u>
Cobber	7440-50-8	231-159-6	-	95-100	-	-

## 4. First-aid measures

### Description of first aid measures:

#### Inhalation:

Seek fresh air.

#### Skin contact:

Wash the skin with soap and water. After washing, rub skin with a thick cream..

#### Eye contact:

Open the eye wide and rinse with plenty of salty water for at least 15 minutes. Remove contact lenses. If the irritation does not improve, seek medical advice.

#### Swallowing:

Do not induce vomiting. Rinse mouth thoroughly and drink plenty of water. Seek medical advice.

#### Main symptoms and effects, both acute and delayed:

Can irritate on repeated or prolonged contact with skin.

#### Indication of whether immediate medical attention and special treatment is required:

Unconscious: Seek medical advice immediately. Show this safety data sheet to the doctor or hospital.

## 5. Fire-fighting measures

### Extinguishing media:

CO<sub>2</sub> foam, sand or powder.

### Specific hazards arising from substance or mixture:

The product is not flammable. Avoid inhalation of fumes.

### Instructions for fire crews:

Remove containers if possible, or cool with water. Use respiratory protection with air supply for fire fighting

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section. 8.

### Environmental protection:

Avoid discharge into drains - see section. 12. At spills to the external environment contact environmental authorities.

### Methods and devices for containment and cleanup:

Larger quantities should be collected and handled as hazardous waste. Rinse thoroughly with water. Further handling of spillage - see section. 13

### Reference to other points:

See above.

## 7. Handling and storage

### Precautions for safe handling:

Avoid contact with skin and eyes. The workplace must be well ventilated. - No smoking, if dust is produced from the product.

### Conditions for safe storage, including possible incompatibilities:

Store in tightly closed original container in a dry place.  
Store away from foodstuffs, animal feed etc.

Fire rating: -

### Special applications:

See "Use" section 1.

## 8. Exposure Controls / Personal Protection

### Control Parameters:

The following notifiable ingredients have a threshold value under Danish Working Environment Authority Instruction (At-anvisning) C.0.1, 2007:

Copper, powder and dust	1,0 mg/m <sup>3</sup>
Copper fume, calculated as Cu	0,1 mg/m <sup>3</sup>

**DNEL:** No CSR.

**PNEC:** No CSR.

## 8. Exposure Controls / Personal Protection

### Exposure Control:

Suitable measures for exposure control:

### Personal Protection:

Inhalation: In case of inadequate ventilation use a respirator with A/P2 filter.

Skin: If skin contact is unavoidable, use protective gloves made of nitrile \*). Since the breakthrough time is unknown for the current product is recommended to change gloves when substance has been wasted on them.

\*) *It is important to note that there are many different types of nitrile gloves, why it is necessary to get documentation for the effectiveness against the actual product.*

Eyes: If there is a risk that the product gets into eyes, use tight fitting safety goggles

### Measures to reduce environmental exposure:

Any residues and wastes from production, to be collected and disposed of as mentioned in section 13.

Treatment and discharge of wastewater must comply with municipal regulations.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties:

Appearance: Solid

Vapor Pressure: -

Odor: No odor

Vapor Density: -

Odor threshold: -

Relative density: 8,96 g/cm<sup>3</sup>

pH: -

Solubility in water: Insoluble.

Melting / freezing point: 1083°C

Partition coefficient n-octanol/water: -

Initial boiling point and boiling range: -

Auto-ignition Temperature: Product is not auto-igniting

Flash point: >260°C

Decomposition Temperature: -

Evaporation Speed: -

Viscosity: -

Flammability: -

Explosive properties: Product is not explosive

Upper / lower flammability or explosive limits vol%:-

Oxidizing properties: -

Other Information: -

-: Means no data or not relevant

## 10. Stability and reactivity

### Reactivity:

Stable under normal conditions.

### Chemical stability:

Stable under recommended storage conditions.

### Risk of hazardous reactions:

Stable under normal conditions

### Conditions to avoid:

No known.

### Materials to avoid:

No known.

**Hazardous Decomposition Products:**

No known.

## 11. Toxicological information

**Information on toxicological effects:**

Hazard class	Data	Test	Data Source
Acute toxicity:	<b>Copper:</b>		
Inhalation:	LC <sub>50</sub> (rat) No data available	-	-
Dermal	LD <sub>50</sub> (rabin) No data available	-	-
Oral	LD <sub>50</sub> (mouse) = 413 mg/kg	-	IUCLID
Etching /irritation:	No data available	-	-
Sensitization	No data available	-	-
CMR:	No data available	-	-

Likely routes of exposure: Skin, lungs and gastrointestinal tract..

**Symptoms:****Inhalation:**

Product may irritate the respiratory system.

**Skin:**

Product may cause irritation at skin contact.

**Eyes:**

Product may cause irritation at eye contact..

**Ingestion:**

Ingestion may cause nausea and vomiting.

**Long Term Effects:**

No known.

## 12. Environmental information

**Toxicity:**

Aquatic	Data	Test (media)	Data Source
	<b>Kopper:</b>		
Fish	LC <sub>50</sub> No data available	-	-
Crustaceans	EC <sub>50</sub> No data available	-	-
Algae	LOEC No data available	-	-

There is insufficient data to an environmental rating of the ingredients according to regulatory guidelines of "Miljøministeriet".

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

## 12. Environmental information

### Mobility in soil:

No data available.

### Results of PBT and vPvB assessment:

Components are not PBT / vPvB according to the criteria in REACH Annex XIII.

### Other adverse effects:

No known.

## 13. Disposal considerations

### Methods of waste treatment:

The product should not be considered as hazardous waste. Use the municipal collection and removal system

### Chemical Group:

X

### Waste Fraction:

56.20

### EAK code:

17 04 01

## 14. Transport information

The product is not classified as hazardous at transportation.

**UN-number:** -

**Transport hazard class(es):**-

**Environmental hazards:** None in relation to transport rules

**Bulktransportation under Annex II of MARPOL 73/78 and the IBC Code:**

Not relevant.

**UN proper shipping name:-**

**Packaging Group:** -

**Special precautions for user:-**

## 15. Regulatory Information

### Special provisions / special legislation for substances or mixtures in terms of safety, health and environment:

None.

### Chemical Safety Assessment:

No CSA.

## 16. Other information

### Risk phrases mentioned under item 2, 3 and 16:

None.

### Abbreviations:

At = Arbejdstilsynet

CMR = Carcinogenicity, mutagenicity and reproductionstoksicity

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DNEL = Derived No-Effect level

EC<sub>50</sub> = Effect Concentration 50%

LC<sub>50</sub> = Lethal Concentration 50%

LD<sub>50</sub> = Lethal Dose 50%

PBT= Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

## 16. Other information

### Literature:

IUCLID = International Uniform Chemical Database Information

### Advice on training/instruction:

The product should only be used by people well instructed in the work procedure and who are familiar with the contents of this MSDS.

### Additional information:

This Safety data sheet is prepared according to REACH Regulation (EC) No 1907/2006.

### Changes since previous version:

-

### Classification of the substance or mixture according to CLP \*:

The product is classified with EUH 210 by CLP.

The product may be irritating after repeated or prolonged contact with skin.

CLP \*: Parliament and Council Regulation (EC) No 1272/2008

### Labelling elements:

#### Labelling according CLP (1272/2008):

Material Safety Data Sheet can be obtained on request (EUH 210)

Other Hazards: None known.

PBT/vPvB: Components are not PBT/vPvB according to criteria set out in REACH Annex XIII.

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