



Safety Data Sheet according to (EC) No 1907/2006

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sds no. : 249903

V002.1

Revision: 09.03.2011

printing date: 25.09.2013

NC-BB desoldering wick

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

Product identifier:

NC-BB desoldering wick

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:

Desoldering wick

Details of the supplier of the safety data sheet:

Henkel Westerlo

AE Belgium

Nijverheidsstraat 7

2260 Westerlo

Belgium

ua-productsafety.uk@uk.henkel.com

Emergency telephone number:

24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

Classification of the substance or mixture:

Classification (DPD):

Sensitizing

R43 May cause sensitisation by skin contact.

Risk phrases:
R43 May cause sensitisation by skin contact.

Safety phrases:
S24 Avoid contact with skin.
S37 Wear suitable gloves.

Contains:
Rosin, maleated, polymer with Pentaerythritol

Other hazards:
Fumes evolved at soldering temperatures will irritate the nose, throat and lungs. Prolonged or repeated exposure to flux fumes may result in sensitisation in sensitive workers.

3. Composition/information on ingredients

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Copper Metal 7440-50-8	231-159-6	80 - 100 %	

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Rosin, maleated, polymer with Pentaerythritol 68333-69-7		1 - 5 %	Xi - Irritant; R43
Copper Metal 7440-50-8	231-159-6	80 - 100 %	

**For full text of the R-Phrases indicated by codes see section 16 'Other Information',
Substances without classification may have community workplace exposure limits available.**

4. First aid measures

Description of first aid measures:

Inhalation:
Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:
Immediately wash skin thoroughly with soap and water.
Obtain medical attention if irritation persists.

Eye contact:

Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.

Ingestion:

Do not induce vomiting.
Seek medical advice.

Most important symptoms and effects, both acute and delayed:

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Rash, Urticaria.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

5. Firefighting measures

Combustion behaviour:

The product itself does not burn. Any fire extinguishing action should be appropriate to the surroundings.

Extinguishing media:

Suitable extinguishing media:

water, carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

Do not use water on fires where molten metal is present.

Special hazards arising from the substance or mixture:

High temperatures may produce heavy metal dust, fumes or vapours.

Fumes and vapors from thermal decompositions vary in composition and toxicity.

See section 10.

Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Material	Concentration	Limit (STEL):	Control
MISTS (AS CU) 7440-50-8			
COPPER, FUME 7440-50-8	0.2	Time Weighted Average (TWA):	EH40 WEL
COPPER, INHALEABLE DUSTS AND MISTS (AS CU) 7440-50-8	1	Time Weighted Average (TWA):	EH40 WEL

Exposure controls:

Engineering controls:

Extraction is necessary to remove fumes evolved during reflow.
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Suitable respiratory protection:

Filter type: A

Hand protection:

The use of chemical resistant gloves such as Nitrile are recommended.

Wear refractive gloves while working with the hot melt.

Eye protection:

Goggles which can be tightly sealed.

and/or

facial protection

Skin protection:

Protective clothing that covers arms and legs.

Advices to personal protection equipment:

Do not breathe dust and vapors.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance

solid

solid

Odor

copper

odorless

pH

No data available / Not applicable

Initial boiling point

Not applicable

Flash point

Not applicable

Decomposition temperature

No data available / Not applicable

Vapour pressure

No data available / Not applicable

Density

8,9000 g/cm³

Bulk density

No data available / Not applicable

Viscosity

No data available / Not applicable

Viscosity (kinematic)

No data available / Not applicable

Explosive properties

No data available / Not applicable

Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	1.083,0 °C (1981,4 °F)
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

10. Stability and reactivity

Reactivity:

Strong oxidizing agents.
Solder alloy will react with concentrated nitric acid to produce toxic fumes of nitrogen oxides.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Avoid contact with acids and oxidizing agents.

Incompatible materials:

None if used properly.

Hazardous decomposition products:

Thermal decomposition can lead to release of irritating gases and vapors.
See section 5.

11. Toxicological information

General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Inhalative toxicity:

Fumes evolved at soldering temperatures will irritate the nose, throat and lungs. Prolonged or repeated exposure to flux

available health/ecological information for the substances listed under section 2 is provided in the following.

Ecotoxicity:

Do not empty into drains / surface water / ground water.

Mobility:

The product is insoluble and sinks in water.

Persistence and Biodegradability:

The product is not biodegradable.

Bioaccumulative potential:

No data available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Copper Metal 7440-50-8	LC50	> 10 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)

13. Disposal considerations

Waste treatment methods:

Product disposal:

Wherever possible unwanted solder alloy should be recycled for recovery of metal.

Otherwise dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Dispose of as unused product.

Waste code

06 04 05 - wastes containing other heavy metals

14. Transport information

General information:

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

National regulations/information (Great Britain):

Remarks

The Health & Safety at Work Act 1974.
The Control of Substances Hazardous to Health Regulations. L5:General
Approved Code of Practice to the COSHH Regulations. HS(G)97:A Step by Step
Guide to the COSHH Regulations. HS(G)193: COSHH essentials: Easy steps to
control chemicals.
IND (G)248L: Solder fume and you. IND(G)249L: Controlling health risks from
rosin (colophony) based solder fluxes.

16. Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:
R43 May cause sensitisation by skin contact.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is
intended to describe our products from the point of view of safety requirements and is not intended to guarantee any
particular properties.

