



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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425-01 REWORK FLUX

SDS no. : 175144

V002.1

Revision: 17.04.2009

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

**Trade name:**

425-01 REWORK FLUX

**Intended use:**

Rework flux

**Company name:**

Henkel AG & Co. KGaA  
Henkelstr. 67  
40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

**E-mail address of person responsible for Safety Data Sheet:**

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)20 8312 0291

### 2. Hazards identification

R22 Harmful if swallowed.

R36 Irritating to eyes.

This product contains modified rosin.

### 3. Composition / information on ingredients

**Declaration of ingredients according to (EC) No 1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
2-phenoxyethanol 122-99-6	204-589-7	50 - 60 %	Xn - Harmful; R22 Xi - Irritant; R36
2-(2-phenoxyethoxy)ethanol 104-68-7	203-227-5	5 - 10 %	Xi - Irritant; R36

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

**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:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Do not induce vomiting.  
Seek medical advice.

**5. Fire fighting measures**

**Suitable extinguishing media:**

water, carbon dioxide, foam, powder

**Special protection equipment for firefighters:**

Wear self-contained breathing apparatus.

**6. Accidental release measures**

**Personal precautions:**

Wear protective equipment.

**Environmental precautions:**

Do not let product enter drains.

**Clean-up methods:**

Wipe up using absorbent material  
Keep in suitable and closed containers for disposal.

**7. Handling and storage**

**Handling:**

Use only in well-ventilated areas.  
Wear suitable protective clothing, safety glasses and gloves.

**Storage:**

Store in a cool, well-ventilated place.

**8. Exposure controls / personal protection**

**Components with specific control parameters for workplace:**

Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
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**Engineering controls:**

Ensure adequate ventilation, especially in confined areas.  
Extraction is necessary to remove fumes evolved during reflow.

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection:**

The use of chemical resistant gloves such as Nitrile are recommended.  
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Wear protective glasses.

**Skin protection:**

Wear suitable protective clothing.

**Advices to personal protection equipment:**

Avoid skin-contact.

## 9. Physical and chemical properties

**General characteristics:**

Appearance	Paste
Odor:	Light brown Mild

**Phys./chem. properties:**

pH-value	Not determined
Boiling point	187 °C (368.6 °F)
Flash point	121 °C (249.8 °F)
Density ( $\rho$ )	1,0 g/cm <sup>3</sup>
Solubility (qualitative)	Insoluble
Melting point	Not determined
Auto ignition temperature	500 °C (932 °F)
Octanol/Water distribution coefficient	Not determined
VOC content	50 - 60 %

## 10. Stability and reactivity

**Conditions to avoid:**

Stable under normal conditions of storage and use.

**Materials to avoid:**

Reaction with strong oxidants.

**Hazardous decomposition products:**

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

## 11. Toxicological information

**Oral toxicity:**

Harmful if swallowed.  
May cause irritation to the digestive tract.  
May cause nausea, vomiting and abdominal pain.

**Inhalative toxicity:**

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.

**Skin irritation:**

Prolonged or repeated contact may cause skin irritation.

**Eye irritation:**

Irritating to eyes.  
Fumes emitted during soldering may irritate the eyes.

## 12. Ecological information

**Ecotoxicity:**

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

**Persistence and Biodegradability:**

The product is not biodegradable.

**Bioaccumulative potential:**

No data available.

**Bioaccumulative potential:**

Octanol/Water distribution coefficient: Not determined

## 13. Disposal considerations

**Product disposal:**

Dispose of as hazardous waste in compliance with local and national regulations.  
Incineration under controlled conditions is recommended.

**Waste code(EWC ):**

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

**Disposal of uncleaned packages:**

Dispose of as unused product.

## 14. Transport information

**General information:**

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

## 15. Regulations - classification and identification

**Indication of danger:**

Xn - Harmful



**Contains**

2-phenoxyethanol

**Risk phrases:**

R22 Harmful if swallowed.  
R36 Irritating to eyes.

**Safety phrases:**

- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Additional information:**

- Avoid breathing fumes given out during soldering.
- Flux fumes may irritate the nose, throat and lungs and may after prolonged/repeated exposure give an allergic reaction (asthma).
- Keep out of reach of children.

**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.
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**16. Other information**

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R22 Harmful if swallowed.
- R36 Irritating to eyes.

**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.  
This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.