

## SAFETY DATA SHEET DESOLDER BRAID

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name DESOLDER BRAID  
Product No. RS 561-022, RS 561-038, RS 561-044, RS 561-050

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Manufacture of electrical equipment

#### 1.3. Details of the supplier of the safety data sheet

Supplier RS COMPONENTS  
BIRCHINGTON ROAD  
CORBY  
NORTHANTS NN17 9RS UK  
+44 (0) 1536 402888  
+44(0) 1536 401588  
technical.help@rs-components.com

#### 1.4. Emergency telephone number

+44 (0) 01536 402888 (8am - 8pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

##### Human health

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

##### Physical and Chemical Hazards

Thermal burns from contact with molten product.

#### 2.2. Label elements

##### Risk Phrases

NC

Not classified.

##### Safety Phrases

P14

Contains ROSIN. May produce an allergic reaction.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

COPPER METAL	80-100%
CAS-No.: 7440-50-8	EC No.: 231-159-6
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
ABIETIC ACID	1-5%
CAS-No.: 514-10-3	EC No.: 233-584-2

**DESOLDER BRAID**

Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xi;R36/37/38. N;R50.
<b>ROSIN</b> <span style="float: right;">&lt;0.1%</span>  CAS-No.: 8050-09-7                      EC No.: 232-475-7	
Classification (EC 1272/2008) Skin Sens. 1 - H317	Classification (67/548/EEC) R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition Comments**

Rosin flux may cause an allergic reaction resulting in a skin rash. Clean hands after use

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Try to induce vomiting. Wire strands could cause internal digestive tract bleeding.

**Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Do not rub eye. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Remove metal fragments and flush eyes with water

**4.2. Most important symptoms and effects, both acute and delayed****Skin contact**

Prolonged skin contact may cause redness and irritation.

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

Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials. Fire can be extinguished using: Powder.

**Unsuitable extinguishing media**

DO NOT use water if avoidable.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Unusual Fire & Explosion Hazards**

Molten metals produce fume or vapour that may be toxic and/or respiratory irritants.

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

No specific fire fighting procedure given.

**Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

**DESOLDER BRAID**

Wear protective clothing as described in Section 8 of this safety data sheet. When subject to temperatures over 180C, flux fumes should be vented

**6.2. Environmental precautions****6.3. Methods and material for containment and cleaning up**

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

**6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Observe good chemical hygiene practices. Avoid inhalation of vapours.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**7.3. Specific end use(s)****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
COPPER METAL					2 mg/m3	

**8.2. Exposure controls****Protective equipment****Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

**Engineering measures**

Provide sufficient ventilation during operations which cause vapour formation.

**Respiratory equipment**

In case of inadequate ventilation when product heated, use suitable respiratory equipment with a combined particulate and organic vapour filter to FFFP3 to EN149:2001

**Hand protection**

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Eye protection**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Appearance**

Coated wire

**9.2. Other information**

**DESOLDER BRAID****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity****10.2. Chemical stability**

Stable under normal temperature conditions.

**10.3. Possibility of hazardous reactions****10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Inhalation**

Not relevant at normal room temperatures. When heated, toxic vapours may be formed. Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

**Skin contact**

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

**Eye contact**

Particles in the eyes may cause irritation and smarting.

**Health Warnings**

No specific health warnings noted.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Not regarded as dangerous for the environment.

**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**DESOLDER BRAID**

<b>Road Transport Notes</b>	Not Classified
<b>Rail Transport Notes</b>	Not classified.
<b>Sea Transport Notes</b>	Not classified.
<b>Air Transport Notes</b>	Not classified.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

ADR/RID/ADN Class Not classified for transportation.

Transport Labels

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Environmental Listing**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**Guidance Notes**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

**EU Legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC.

Dangerous Preparations Directive 1999/45/EC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

## DESOLDER BRAID

## SECTION 16: OTHER INFORMATION

**Revision Comments**

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

**Issued By** Helen O'Reilly

**Revision Date** NOVEMBER 2012

**Revision** 0

**SDS No.** 13485

**Risk Phrases In Full**

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitisation by skin contact.

NC Not classified.

R50 Very toxic to aquatic organisms.

**Hazard Statements In Full**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.