

Safety Data Sheet

According to 1907/2006/EC, Article 31 REACH

Warton Metals Limited
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Last Issue 07/2011
Revision 4.0
Revision Date 11/2012

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

1.1. Product Identifier

Product Name	Brown flux Jelly
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1.2. Relevant Identified uses of the substance or mixture and uses advised against

Description	A soldering flux for jointing metals
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1.3. Details of the supplier of the safety data sheet

Company	Warton Metals Limited
Address	Grove Mill Commerce Street Haslingden Lancashire BB4 5JT England
Web	www.warton-metals.co.uk
Telephone	01706 218888
Fax	01706 221188
Email	sales@warton-metals.co.uk
Email of competent person	sds@warton-metals.co.uk

1.4. Emergency telephone number


Emergency Telephone Number	+44(0)1706 218888 (8am-5pm Monday-Friday)
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SECTION 2: Hazards Identification

2.1. Classification of the mixture

Classification- EU Directive 67/548/EEC 1999/45/EC Main Hazards	<i>Rosin</i> – May cause sensitization by skin contact. When rosin is heated in normal use, rosin fumes are irritating and may cause respiratory sensitisation by inhalation. Exposure to rosin based fume may cause sensitive individuals to develop eczema and/or asthma. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentration below the occupational exposure limits. Persons with a history of asthma, allergies or any respiratory problems should not be employed in any process in which the product is used. May cause an allergic skin reaction with repeated exposure.
Inhalation	The fumes produced by heating rosin when the product is in normal use may cause sensitisation by inhalation,
Ingestion	May be harmful if swallowed.
Skin Contact	Sensitization by skin contact. Rosin based solder flux and its fume can cause dermatitis.
Environmental	No information available



2.2. Label Elements EU Directive 67/548/EEC 1999/45/EC

Symbols	 Xi, Irritant Contains colophony
Risk Phrases	R42- May cause sensitization by inhalation (colophony fume). R43 – May cause sensitization by skin contact (colophony fume)
Safety Phrases	S23 –Do not breathe fumes S24 – Avoid Contact with skin S37 – Wear suitable gloves

Label Elements EC 1272/2008 (CLP/GHS)

Classification- EC 1272/2008 Main Hazards	Rosin –skin sensitization (Category 1)
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Rosin -Respiratory sensitization (Category 1)

GHS Symbols	  GHS07 GHS08
Hazard Statements	Signal Word: Danger H317: May cause an allergic skin reaction
Precautionary Statements	H335: May cause respiratory irritation P261: Avoid breathing fumes. P280: Wear protective gloves
Precautionary Statement Response	P285: In case of inadequate ventilation wear respiratory protection. P302+P352: IF ON SKIN, Wash with plenty of soap and water. P304+P341: IF INHALED, If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P333+P313: If skin irritation or rash occurs, get medical advice/attention.

SECTION 3: Composition/Information on ingredients

3.1. This material is defined as a mixture
67/548/EEC/1999/45/EC

Chemical Name	CAS No	EC No.	REACH Registration Number	Conc. (% w/w)	DSD Classification
Rosin –Colophony	8050-09-7	232-475-7	Not available	<60	Xi-Irritant, R43
Carboxylic Acid C4-C6	68603-87-2	271-678-5	Not available	<5	Xi-Irritant, R36

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Inhalation	Inhalation of flux fume (at normal use temperatures) may cause respiratory distress. Remove at once to fresh air. Keep warm and at rest. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If not breathing, give artificial respiration. If unconscious place in the recovery position and get medical attention immediately.
Eye contact	Rosin based flux fumes may irritate eyes, Flush eyes with plenty of water. Make sure contaminated water washes away from the face and clear upper and lower eyelids. Continue to rinse for 10 minutes.
Skin contact	Rosin based flux fume may cause a skin rash to develop. If any skin rash develops seek medical attention. Wash off with soap and plenty of water. After contact with molten metal, flood the area with cold water and get medical attention if required.
Ingestion	Rinse the mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If unconscious place in the recovery position. Obtain medical attention immediately.

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

Inhalation	Prolonged or repeated exposure may cause an allergic reaction to develop. Prolonged or repeated exposure to the fumes emitted may cause sensitization which could lead to occupational asthma. May cause irritation to respiratory system.
Eye Contact	Irritating and abrasive.
Skin Contact	May cause irritation to skin.
Ingestion	Will irritate gastric tract.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention if any symptoms persist
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SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Use extinguishing media appropriate to the surrounding fire conditions. Water spray, dry chemical or carbon dioxide. Sand may be used for small fires.
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5.2. Special hazards arising from the substance or mixture

Inhalation of the flux fumes will irritate the nose and throat.

5.3 Advice for Fire Fighters

Do not use water jet. Wear full protective clothing and self contained breathing apparatus operating in the positive pressure mode.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhalation of any fume from the hot
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	solder. Avoid contact with hot product. Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe. Ensure solder is collected in suitable containers for disposal accordance with local and national legislation. Refer to section 13 for disposal.
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6.3. Methods and material for containment and cleaning up

	Sweep up and shovel. Keep in suitable closed containers for disposal. Observe personal hygiene methods.
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6.4. reference to other sections

	See section 2,8,13 for further information
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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. The fumes produced during soldering should be extracted away from the breathing zone of the operators using properly designed efficient, well-maintained, local exhaust ventilation. See HSG 37 and INDG 249, HSE publications for further information. Put on appropriate protective equipment (latex gloves or similar). Wash hands with soap and warm water after handling soldering products. Adopt best manual handling considerations when handling, carrying and dispensing. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Keep out of reach of children.
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7.2. Precautions for safe storage, including and incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from direct sunlight. Keep away from food and drink.
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7.3. Specific end use(s)

	Solder flux for jointing metals.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Rosin	0.15 mg/ m ³ over a 15 minute reference period UK EH40: MEL (Skin sensitizer). 0.05 mg/m ³ over an 8 hour reference period
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8.2. Exposure Controls

8.2.1 Appropriate engineering controls	To achieve adequate control, as required by the COSHH Regulations, extraction should be used to reduce exposure. Extraction should be properly maintained and in good working order. Please use health and safety guidelines to choose suitable extraction.
8.2.2. Individual protection measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.
Eye/face protection	Ensure that eye wash stations are close to the work area.
Skin / Hand protection	Wear protective clothing. Disposable vinyl gloves. Use safety goggles.
Biological Standards	No data available
Environmental exposure controls	The material possesses minimal risk to the environment.

SECTION 9: Information on basic physical and chemical properties

State	Jelly
Colour	brown
Odour	Sweet pine
pH	No data available
Melting point	No data available
Freezing point	Not available
Boiling point	Above 300°C
Flash point	Not available
Evaporation rate	Not available
Flammability limits	Not available
Vapour flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Fat solubility	Not available
Partition coefficient	Not available

Autoignition temperature	Not available
Viscosity	Not available
Solubility	Insoluble in water

9.2. Other Information

Conductivity	No data available
Surface Tension	No data available
Gas group	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

	No data available on this product
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10.2. Stability

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10.3. Possibility of Hazardous Reactions

	No data available
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10.4. Conditions to avoid

	None
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10.5. Incompatible Materials

	No data available
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10.6. Hazardous Decomposition Products

	No data available
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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Inhalation	Fumes generated during use may cause sensitisation to the respiratory system and should be extracted away from the operator. Skin contact should be avoided. No information available. No information available. No data available. No data available.
Ingestion	
Skin Contact	
Eye contact	
Target Organs	
Germ cell mutagenicity	
Carcinogenicity	No data available

SECTION 12: Ecological Information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	No data available
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12.3. Bioaccumulative potential

	No data available
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12.4. Mobility in soil

	No data available
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12.5. Results of PBT and vPvB assessment

	No data available
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12.6. Other adverse effects

	No data available
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SECTION 13: Disposal Considerations

General Information

	Dispose of in compliance with all local and national regulations. Empty containers may contain product residue. The product container must be disposed of in a safe way.
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Disposal methods

	Contact a licensed waste disposal company. Avoid dispersal of spilt material and runoff in contact with soil, waterways
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Disposal and Packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal and recycling.
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Further Information

	For disposal with the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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SECTION 14: Transport Information

Hazard Pictograms

	Not hazardous for transport
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14.1. UN Number

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14.2. UN Proper Shipping Name

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14.3. Transport Hazard Class

ADR/RID	-
Subsidiary risk	-
IMDG	-
Subsidiary risk	-
IATA	-
Subsidiary risk	-

14.4. Packing Group

Packing Group	-
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14.5. Environmental Hazards

Environmental hazard	No
Marine Pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	-

IMDG

Ems Code	-
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IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction (Passenger)	-
Maximum quantity	-

SECTION 15: Regulatory Information

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

15.2 Chemical Safety Assessment – A chemical safety assessment has not been carried out for the mixture.

Regulations	
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Commission regulation (EU) No 453/2010 of the 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Regulation, 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. Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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

The Health & Safety at Work Act 1974

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No.2677) as amended.

Solder Fume and You INDG248(rev)

MDHS83 Resin acid in rosin (colophony) solder flux fume HSE Books ISBN 0 7176 1363 1

SECTION 16: Other Information

Other Information	None at present
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Further Information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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