

Safety Data Sheet

According to 1907/2006/EC, Article 31 REACH

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

1.1. Product Identifier

Product Name	Nexus NXG-909 Rework Gel
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1.2. Relevant Identified uses of the substance or mixture and uses advised against

Description	A rework soldering flux
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1.3. Details of the supplier of the safety data sheet

Company Address	Warton Metals Limited 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 substance or mixture

Main Hazards	Rosin – 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 flux 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 flux and its fume can cause dermatitis.
Environmental Effects	No information available.

2.2. Label Elements EC 1272/2008 (CLP/GHS)

Classification- EC 1272/2008	Rosin - Skin sensitization (Category 1)
Main Hazards	Rosin - Respiratory sensitization (Category 1)
GHS Symbols	  GHS07 GHS08
Hazard Statements	Signal Word: Danger H317: May cause an allergic skin reaction H319: Causes serious eye irritation H335: May cause respiratory irritation
Precautionary Statements	P261: Avoid breathing fumes. P280: Wear protective gloves 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	Conc. (%w/w)	Classification
Rosin - Colophony	8050-09-7	232-475-7	-	<60	Skin Sen 1: H317
Carboxylic Acid C4-C6	800-41-7	232-268-1	-	<50%	Skin Irrit 2: H315
Amide Wax	124-04-9	204-673-3	-	<5%	-
Non-hazardous ingredients	110-94-1	203-817-2	-	<5%	-

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Inhalation	Get medical attention if adverse health effects persist or are severe. 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	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	Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. In the event of any complaints or symptoms, avoid further exposure.
Ingestion	Rinse mouth with water. Will irritate gastric tract. Do not induce vomiting. If vomiting occurs, the head should be kept low as to not allow vomit into lungs. 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 during reflow 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	May cause irritation to mucous membranes.

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.

5.2. Special hazards arising from the substance or mixture

No specific fire or explosion hazard. Hazardous decomposition products may include carbon dioxide, carbon monoxide, metal oxide/oxides.

5.3. Advice for Fire Fighters

Remove all persons from the area of the accident if there is a fire. Fire fighters should wear self-contained breathing apparatus with a full-face piece operated in 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 solder. Avoid contact with hot product. Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe.

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.

6.4. reference to other sections

See section 2,8,13 for further information.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Ensure adequate ventilation of the working area. The fumes produced during use should be extracted away from the breathing zone of the operators using properly designed efficient, well-maintained, local exhaust ventilation. See HSG 258 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. Keep container tightly closed when not in use.

7.2. Precautions for safe storage, including and incompatibilities

Keep in a cool, dry, well ventilated area. Keep away from direct sunlight. Keep away from food and drink. Keep containers tightly closed.

7.3. Specific end use(s)

See section 1.2.

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	Gel
Colour	pale
Odour	Mild
pH	No data available
Melting point	-
Freezing point	Not available
Boiling point	Not available
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
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10.2. Stability

	No data available
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10.3. Possibility of Hazardous Reactions

	Rework Gel will react with strong oxidising agents.
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10.4. Conditions to avoid

	None
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10.5. Incompatible Materials

	Strong oxidizing agents
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10.6 Hazardous Decomposition Products

	Under normal conditions of use, hazardous decomposition products should not be produced.
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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.
Ingestion	May be harmful if swallowed.
Skin Contact	Skin contact should be avoided.
Eye contact	No information available.
Target Organs	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

SECTION 12: Ecological Information

12.2. Persistence and degradability

Resistant to bio-degradation and insoluble in water.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

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.

Disposal methods

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

Disposal and Packaging

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

Further Information

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

SECTION 14: Transport Information

Hazard Pictograms

Not hazardous for transport

14.1. UN Number

-

14.2. UN Proper Shipping Name

-

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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REACH No 1907/2006

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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