

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	Ecowave 45 VOC Free Flux
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1.2. Relevant Identified uses of the substance or mixture and uses advised against

Description	Liquid flux for soldering
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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 substance or mixture

Classification- EC 1272/2008 Main Hazards	Eye irritation: Category 2.
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2.2. Label Elements EC 1272/2008 (CLP/GHS)

GHS Symbols	
Hazard Statements	Signal Word: Warning H319: Causes serious eye irritation
Precautionary Statements	P280: Wear protective gloves and eye protection. P305+P351+P338: If in EYES, rinse cautiously with water for several minutes. Remove contact lenses.

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 No.	Conc. (%w/w)	Classification
Carboxylic Acid C4-C6	68603-87-2	271-678-5	-	<5%	Eye irrit.2: H319
Water	-	-	-	Balance	-

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If not breathing give artificial respiration.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelid open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

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

	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
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4.3. Indication of any immediate medical attention and special treatment needed

	No data available.
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SECTION 5: Firefighting Measures

5.1. Extinguishing Media

	Use extinguishing media that are appropriate to the surrounding environment.
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5.2. Special hazards arising from the substance or mixture

	No data available
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5.3. Advice for Fire Fighters

	Wear self-contained breathing apparatus for firefighting if necessary.
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SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

	Use personal protective equipment. Avoid breathing vapours and mist. Ensure adequate ventilation. Evacuate personnel to safe areas.
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6.2. Environmental precautions

	Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not let product enter drains.
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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

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and using.
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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. Store in correctly labelled containers.
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7.3. Specific end use(s)

	See section 1.2.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

	Contains no substances with Occupational Exposure Limits
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8.2. Exposure Controls

8.2.1 Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing. Handle in accordance with good industrial hygiene practice. Wash hands before breaks and at the end of day.
Eye/face protection	In case of splashing wear approved safety goggles.
Skin / Hand protection	Chemical resistant gloves (PVC)

SECTION 9: Information on basic physical and chemical properties

State	Liquid
Colour	Clear
Odour	Flux
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	100°C
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour flammability	No data available
Vapour pressure	19mmHg
Vapour density	No data available
Relative density	No data available
Fat solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Solubility	Fully miscible

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

	Avoid strong acids and strong oxidizers
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10.2. Stability

	Stable under normal conditions
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10.3. Possibility of Hazardous Reactions

	No data available
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10.4. Conditions to avoid

	No specific data
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10.5. Incompatible Materials

	Oxidizing agents.
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10.6 Hazardous Decomposition Products

	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	LD50 Oral-mouse -6,000mg/kg (acid)
Skin corrosion	No known significant effects or critical hazards
Serious eye damage/eye irritation	Smoke can cause eye irritation
Respiratory or skin irritation	Skin irritation may occur to sensitive individuals
Germ cell mutagenicity	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Reproductive toxicity	No known significant effects or critical hazards
Specific target organ toxicity- Repeated exposure	No known significant effects or critical hazards
Specific target organ toxicity- Aspiration hazard	No known significant effects or critical hazards
Potential health effects	
Inhalation	May be harmful if inhaled.
Ingestion	Harmful if swallowed
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	Causes serious eye irritation.
Signs and Symptoms of Exposure	No data available

SECTION 12: Ecological Information

12.2. Persistence and degradability

Toxicity to fish	LC50-Lepomis macrochirus-330mg/l-24h
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available

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.
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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

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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.

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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