



## MATERIAL APPLICATION & SAFETY DATASHEET

# Waxlets

**Product Name:**

Waxlets (Flow Solder Cover Flux)

**Manufactured By:**

Warton Metals Limited  
Grove Mill Commerce Street  
Haslingden  
Lancashire  
BB4 5JT  
ENGLAND

Tel: +44 (0)1706 218888

Fax: +44 (0)1706 221188

**Description**

Where the pump shaft enters the molten solder surface on many wave soldering machines, a fine powdery dross is likely to form. Unless taken off, this dross can build up into a thick layer, which spreads through the bath.

A small quantity of waxlets placed on the molten metal surface in the pump, provide a cover to prevent dross formation.

After initial remelting at 250°C (482°F), this wax gives off little noticeable fume and does not ignite or evaporate. In time the fused layer thickens and turns brown. It is not practical to use it at temperatures over 250°C.

**Application**

An initial quantity of wax is added to cover the solder in the pump well to a depth of 10mm. With the machine running continuously, additional wax should be added every day to maintain depth of 10mm.

Once a week the layer of thickened wax is removed with a small spoon or a spoon shaped piece of steel.

**Packaging**

Waxlets are supplied in packets containing ten blocks. Each block is divided easily into ten pieces.

**Health & Safety**

Always read the health and safety data before use.

**Further Information**

For further information, please do not hesitate to contact Sales & technical Enquiries on: +44 (0)1706 218888.



# Material Safety Datasheet

## Waxlets

<b>Section 1. Identification of the substance / preparation and of the company / undertaking</b>			
Product Name:	Waxlets		
Manufactured By:	Warton Metals Limited		
	Grove Mill, Commerce Street. Haslingden. Lancashire. BB4 5JT. ENGLAND.		
Emergency Telephone:	+44 (0)1706 218888		
Emergency Fax:	+44 (0)1706 221188		
<b>Section 2. Composition / Information on Ingredients</b>			
	Waxy Solid		
<b>Section 3. Hazards Identification</b>			
Main Hazards	Not classified as hazardous		
Health Effects-eyes	Molten product may cause severe damage and may result in loss of vision.		
Health effects - skin	Molten product may cause severe damage to skin tissue		
Health effects-Ingestion	Hot material will cause thermal burns		
Health effects - Inhalation	Exposure to vapour from heated material may have the following effects: coughing, dizziness and headache.		
<b>Section 4. First Aid Measures</b>			
First Aid - Eyes	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.		
First Aid - skin	In case of contact with hot liquid, immediately flood affected area with cold water. Do not attempt to remove molten or solidified material from the skin. Obtain medical attention.		
First Aid - Ingestion	Wash out with water. Do not induce vomiting. Obtain medical attention.		
First Aid - inhalation	Remove from exposure. Keep warm and at rest. Obtain medical attention.		
<b>Section 5. Fire Fighting Measures</b>			
Suitable extinguishing media:	Cool the smoldering material with water spray to minimize the possibility of re-ignition.		
Special Hazards of this product:	This product may give rise to hazardous fumes in a fire.		
<b>Section 6. Accidental Release Measures</b>			
Personal precautions:	Wear appropriate protective clothing		
Spillage's:	Allow to solidify. Transfer into suitable containers for recovery or disposal.		
<b>Section 7. Handling &amp; Storage</b>			
Handling:	No special precautions necessary		
Storage:	Storage area should be cool and dry		
<b>Section 8. Exposure Controls &amp; Personal Protection</b>			
<b>Occupational Exposure Limits:-</b>			
None assigned			
<b>Personal Protection:-</b>			
Engineering Control Measures	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.		
Respiratory Protection	Respiratory protection if there is a risk of breathing mists or vapours from heated material.		
Hand Protection	Leather, thick textile or thermal gloves.		
Eye Protection	Face shield when handling hot product.		
Body Protection	Normal work wear.		
<b>Section 9. Physical &amp; Chemical Properties.</b>			
Appearance / colour:	Waxy solid	Colour	Orange
Odour:	Odourless	Melting Point°C	87
Flash point °C:	240	Solubility in water	Insoluble
<b>Section 10. Stability &amp; Reactivity</b>			
Conditions to avoid:	None		
Materials to avoid:	None		
Stable under normal conditions. Heating may produce oxides of carbon.			
<b>Section 11. Toxicological Information</b> ( toxic effects arising from exposure based on experimental and non experimental data)			
Acute Toxicity	Low order of acute toxicity		
Irritancy - Eyes	Data for a closely related material suggests that this product will produce minimal conjunctival irritation.		
Irritancy - Skin	Data for a closely related material suggested that this product will product minimal signs of irritation (mean scores for erythema or oedema less than 2).		
Chronic toxicity/carcinogenicity	None known		
<b>Section 12. Ecological Information</b>			
This product is insoluble in water. The rate of biodegration will be governed by the low water solubility. This product is rated as non- hazardous to aquatic species.			

<b>Section 13. Disposal Considerations</b>	
(Safe disposal of product, its residues and packaging materials):	Disposal must be in accordance with local and national legislation. Labels should not be removed from containers until they have been cleaned, Contaminated containers must not be reused.
<b>Section 14. Transport Information</b>	
	This product is NOT classified as dangerous for transportation.
<b>Section 15. Regulatory Information</b>	
<u>Labeling Information</u> Indication of danger: Contains: Risk phrases: Safety phrases:	- Modified rosins. None S37 Wear suitable gloves
<b>Section 16. Other Information</b>	
Recommended uses and restrictions:	Use only as directed.
Publications references:	
<b>Section 17. Revision Dates</b>	
Revised Date / Initials:	March 2000 VHM
Replacing:	All previous health and safety datasheets
The information and recommendations on this sheet relate to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information is given in good faith and the best of Warton Metals Ltd knowledge, information and believed accurate and reliable at the time of preparation. Nothing herein is to be construed as a guarantee, express or implied in all cases it is the responsibility of the user to determine the applicability of this information or the suitability of the products for his own particular purposes.	