

## Safety Data Sheet

**1. Identification****Name of Substance or Preparation:** **Wax-1 Aerosol Release Agent****Supplier:** John Burn & Co (B'Ham) Ltd  
74 Albert Road  
Stechford  
Birmingham  
B33 9AJ**Telephone:** 0121 508 4144**Fax:** 0121 508 4145**2. Composition and Ingredients**

<b>Substance?</b>	No	<b>Substance Name:</b>	N/A
<b>CAS Number:</b>	N/A	<b>EC Index Number:</b>	N/A
<b>EEC Number:</b>	N/A		

Components Contributing to Hazard Classification	% by Wt.	CAS No.	Hazard	Risk phrases
Pentane	25-50%	109-66-0	Extremely Flammable	R12 - Extremely Flammable
Butane	10-25 %	106-97-8	Extremely Flammable	R12 - Extremely Flammable
Propane	10-25 %	74-98-6	Extremely Flammable	R12 - Extremely Flammable

**3. Hazards Identification****CHIP Classification:** EXTREMELY FLAMMABLE**Risk Phrases:** R10 Flammable**Other Information:** Product can accumulate static charges, which can cause incendiary electrical discharge. Liquids can release vapours that can readily form flammable mixtures at temperatures at or above the flash point.**4. First Aid Measures****Immediate medical attention required?** Yes**Professional assistance from physician required?** Yes**Inhalation:** Remove to fresh air and allow to rest. If not breathing give artificial respiration. Obtain medical attention immediately.**Skin Contact:** Wash contaminated area with soap and water. Use skin cream to prevent dryness. Launder contaminated clothing before re-use.**Eye Contact:** Flush immediately with water for 10-15 minutes prising eyelids open with fingers. If irritation persists seek medical attention.**Ingestion:** If patient is conscious, wash out mouth with water and give 500mL (half a pint) of water to drink. Do not induce vomiting. Seek immediate medical attention.**5. Fire Fighting Measures****Extinguishing Media****Suitable:** Foam, dry chemical, CO<sub>2</sub>, water spray if used correctly.**Not to be used:** Water on burning solvent.**Other Comments:** Where large quantities are involved breathing apparatus should be used.**Special Exposure Hazards:** Smoke and oxides of carbon.**Special Fire Fighting Procedures:** Use water spray to cool surfaces exposed to fire and to protect personnel. If a leak has not ignited use water spray to disperse vapours and to protect personnel attempting to stop the leak. Avoid spraying water directly into containers due to danger of boil-over. Containers may explode if exposed to fire. Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.**Protective Equipment Required:** Positive pressure self-contained breathing apparatus should be used.

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**6. Accidental Release Measures**

<b>Personal Precautions</b>	Eliminate sources of ignition. Warn personnel downwind of fire and explosion hazard. Evacuate unnecessary personnel.
<b>Environmental Precautions</b>	Do not allow to enter drains or watercourses
<b>Clean-Up Procedures</b>	Cover spillage with absorbent, sand or earth. Sweep into open drums and remove for suitable disposal.

**7. Handling and Storage**

<b>Handling</b>	Keep container closed. Handle and open with care. DO NOT handle, open or store near an open flame, sources of heat or ignition. Protect material from direct sunlight. Material will accumulate static charges, which may cause an electrical discharge and ignition. Use proper grounding procedures. Empty containers may contain flammable residues.
<b>Storage</b>	Store in a cool, dry, well-ventilated place in tightly sealed original containers.

**8. Exposure Controls****Take Measures to Prevent:**

Build up of vapours. Static discharges. Sources of ignition. Use explosion-proof ventilation equipment to maintain ambient concentration below recommended exposure limit.

**Exposure Control Limits:**

1000mg/m<sup>3</sup> (manufacturers recommendation)

**Respiratory Protection:**

Use respiratory protection where exposure to vapour exceeds the limit above.

**Hand Protection:**

Wear suitable gloves, eg. Nitrile, PVC. Always check compatibility of gloves with product.

**Skin Protection:**

Wear suitable protective clothing.

**Eye Protection:**

Wear goggles or safety glasses. Locate eyewash bottle in immediate area of work.

**9. Physical and Chemical Properties**

<b>Appearance:</b>	N/A	<b>Relative Density:</b>	~ 0.759
<b>Colour:</b>	Milky white	<b>pH:</b>	N/A
<b>Key:</b>	N/A - Not Applicable,		N/M - Not Measured

**10. Stability and Reactivity****Conditions to Avoid:**

Excessive heat, sources of ignition.

**Materials to Avoid:**

Strong oxidising agents.

**Hazardous Decomposition Products:**

Smoke and oxides of carbon.

**11. Toxicological Information**

Vapour concentrations above the recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.

Frequent or prolonged contact with the skin may irritate and cause dermatitis.

Contact with eyes is irritating but does not injure eye tissue.

Small amounts of liquid aspirated into respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

**12. Ecological Information**

This substance is highly volatile and will rapidly evaporate to the air if released into the environment.

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Based upon data for similar substance, or on estimated data this substance is expected to biodegrade rapidly and be "readily" biodegradable according to OECD guidelines. This substance can degrade rapidly in air, and is expected to be removed in a wastewater treatment facility. In addition no acute toxicity to aquatic organisms is expected at the maximum water solubility of this material. Long term adverse effects to aquatic organisms are not expected.

**13. Disposal Considerations****Likely residues and waste products:**

None.

**Safe handling of residues and waste product:**

Dispose of only in accordance with local authority regulations. Empty containers may still contain residues and should be cleaned and disposed of through a suitably qualified or licensed contractor.

**14. Transport Information**

<b>Proper Shipping Name:</b>	Aerosols
<b>UN No.:</b>	1950
<b>ADR/RID:</b>	Class 2,5 <sup>f</sup>
<b>IMO/IMDG:</b>	2102
<b>ICAO/IATA:</b>	2.1

**15. Regulatory Information****Supply Label Information:**

EXTREMELY FLAMMABLE

<b>Risk Phrases:</b>	R12	Extremely Flammable
<b>Safety Phrases:</b>	S23	Do not breathe vapour/fumes/spray.
	S24	Avoid contact with skin

**Other:** Contains aliphatic hydrocarbon solvents.

**16. Other Information****Training advice:**

Please read all datasheets carefully. If any point remains unclear or if further training is required please contact John Burn.

**Recommended uses and restrictions:**

Release agent for moulding applications. No other use recommended.

**Further information sources:**

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**Sources of key data used to compile this SDS:**

Raw material data. Occupational Exposure Limits 1997. Guidance Note EH40/98. Approved Supply List (CHIP Regulations 1996).

This Safety Data Sheet has been prepared and supplied in accordance with the **Chemicals (Hazard Identification and Packaging) Regulations 1994** as amended for use by persons capable of understanding the information contained herein for the protection of the health and safety of users.

It is therefore important that this data sheet is passed to the appropriate person so that the information may be acted upon if necessary.

**NOTE:** This SDS has been prepared from information we believe to be reliable, however it is provided without warranty, expressed or implied, as to its correctness. Since the conditions of handling, storage, use and disposal of this material are beyond our control we accept no responsibility whatsoever for any loss, damage or expense which results from the handling, storage, use or disposal of this material.