

J-Wax Aerosol

1. Identification

Name of Substance or Preparation: **J-Wax Aerosol**

Unique Reference Number: J-Wax Aerosol

2. Composition and Ingredients

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

Components Contributing to Hazard Classification	% by Wt.	CAS No.	Hazard	Risk phrases
Aliphatic solvent	>40%	64742-48-9	Flammable, Harmful	R10 - Flammable R65 - May cause lung damage if swallowed.
Pentane	25-50	109-66-0		
Butane	10-25	106-97-8		
Propane	10-25	74-98-6		

3. Hazards Identification

CHIP Classification: EXTREMELY FLAMMABLE,

Risk Phrases: None

Other Information: Aerosols 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. Do not induce vomiting. Seek immediate medical attention.

5. Fire Fighting Measures

Extinguishing Media

Suitable: Foam, dry chemical, CO₂, 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 Aerosol spills with foam.

Protective Equipment Required: Positive pressure self-contained breathing apparatus should be used.

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6. Accidental Release Measures

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

7. Handling and Storage

Handling	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage.
Storage	Store below 50°C in a dry, well ventilated place away from sources of heat, ignition and direct sun light. No smoking. Observe the label precautions. Store separately from strong oxidising agents and strong alkaline or acidic materials.

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:

Pentane OES: 600ppm (8 hr TWA) 750ppm (15 min STEL)
Butane OES: 600ppm (8 hr TWA) 750ppm (15 min STEL)

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

Appearance: Aerosol	Explosive Limits in Air: 0.6 - 7.0 (Vol. %)
Colour: White	Oxidising Properties: N/A
pH: N/A	Can Pressure: 2.41 bar
Boiling Range: 145°C	: ~ 0.759
Melting Point: < 0°C	Solubility in Water: insoluble
Flashpoint: -49°C	Other: Soluble in aliphatic hydrocarbons
Autoignition Temperature: > 200°C	Flammable Limits: N/A
Key: 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:

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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Smoke and oxides of carbon.

11. Toxicological Information

Pentane LD₅₀ >16g/kg (Rat)

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 Aerosol 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. 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

Proper Shipping Name:	Aerosols.
UN No.:	1950
ADR/RID:	Class 2 5f
IMO/IMDG:	IMDG Code Page 2102,
ICAO/IATA:	Class 2.1,

15. Regulatory Information

Supply Label Information:

EXTREMELY FLAMMABLE

Risk Phrases: None

Safety Phrases:	S2	Keep out of the reach of children.
	S16	Keep away from sources of ignition – no smoking.
	S23	Do not breath vapour or spray.
	S1	Use only in well ventilated areas.

Other:

16. Other Information

Training advice:

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Please read all datasheets carefully. If any point remains unclear or if further training is required please contact Jacobson Chemicals Ltd.

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.

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