



## SAFETY DATA SHEET

### JELTTACK

23111 2.00 GB Current 28.02.1997

<b>SAFETY DATA SHEET Ref. No. 23111</b>			
<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>			
<b>Trade Name</b>	JELTTACK		
<b>Manufacturer/Supplier</b>	JELT SA		
<b>Address</b>	112, Boulevard de Verdun BP 306 92402 COURBEVOIE Cedex		
<b>Phone Number</b>	0 (1) 41 88 89 00		
<b>Fax Number</b>	0 (1) 41 88 89 89		
<b>Emergency Phone Number</b>	+44 (0) 113 2322600		
<b>2. COMPOSITION/INFORMATION ON THE COMPONENTS</b>			
<b>Hazardous Components in Product for EC</b>			
<b>Component Name</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
1. Butane	30.00 - 60.00	R12	F+
2. Propane	30.00 - 60.00	R12	F+
3. ISOHEXANE	15.00 - 30.00	R11	F
<b>3. HAZARD IDENTIFICATION</b>			
<b>Main Hazards</b>	Extremely flammable.		
<b>Health Effects - Eyes</b>	Liquid may cause slight transient irritation.		
<b>Health Effects - Skin</b>	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.		
<b>Health Effects - Ingestion</b>	Swallowing may have the following effects:- nausea, drowsiness.		
<b>Health Effects - Inhalation</b>	Exposure to vapour at high concentrations may have the following effects:- drowsiness.		
<b>4. FIRST AID MEASURES</b>			
<b>First Aid - Eyes</b>	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.		
<b>First Aid - Skin</b>	Wash skin with soap and water. Apply a reconditioning skin cream.		
<b>First Aid - Ingestion</b>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.		
<b>First Aid - Inhalation</b>	Remove from exposure.		
<b>5. FIRE FIGHTING MEASURES</b>			
<b>Extinguishing Media</b>	Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide.		
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.		
<b>Special Hazards of Product</b>	Containers may explode in heat of fire. This product may give rise to hazardous fumes in a fire.		
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<b>5. FIRE FIGHTING MEASURES (continued)</b>	
<b>Protective Equipment for Fire-Fighting</b>	Wear self contained breathing apparatus.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions</b>	Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
<b>Spillages</b>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.
<b>7. HANDLING AND STORAGE</b>	
<b>Handling</b>	Use in well ventilated area.
<b>Storage</b>	Storage temperature should be controlled to between 5 and 50 °C. Storage area should be: out of direct sunlight.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Occupational Exposure Standards</b> 1. Butane 2. ISOHEXANE <b>Engineering Control Measures</b>	UK EH40: OES 600ppm 8h TWA. UK EH40: OES 750ppm 15min TWA. An exposure limit of 500ppm (1800mg/m <sup>3</sup> ) 8h TWA is recommended. Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<b>Respiratory Protection</b>	Respiratory protection if there is a risk of exposure to high vapour concentrations.
<b>Hand Protection</b>	Use a good quality barrier cream.
<b>Eye Protection</b>	Chemical goggles if there is a risk of eye contact.
<b>Body Protection</b>	Normal work wear.
<b>Protection During Application</b>	During application, adequate ventilation must be provided.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical State</b>	Liquid.
<b>Colour</b>	Almost colourless.
<b>Odour</b>	Characteristic.
<b>Boiling Range/Point (°C)</b>	43
<b>Flash Point (PMCC) (°C)</b>	<0 (based on major component)
<b>Explosion Limits (%)</b>	1 to 6.
<b>Solubility in Water (kg/m<sup>3</sup>)</b>	Insoluble.
<b>Density (kg/m<sup>3</sup>)</b>	0.78. (measured as kg/litre)
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<b>9. PHYSICAL AND CHEMICAL PROPERTIES (continued)</b>	
Auto-flammability (°C)	Above 200.
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density (Air = 1)	Heavier than air.
Evaporation Rate	>1 (referenced as n-butyl acetate = 1)
<b>10. STABILITY AND REACTIVITY</b>	
Stability	Stable under normal conditions.
Conditions to Avoid	Temperatures in excess of 50 °C. Exposure to direct sunlight.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: silica, smoke, possibly thick and choking, resulting in zero visibility.
<b>11. TOXICOLOGICAL INFORMATION</b>	
Acute Toxicity	No data.
<b>12. ECOLOGICAL INFORMATION</b>	
Mobility	The product is volatile/gaseous and will partition to the air phase.
Persistence/Degradability	No data.
Bio-accumulation	No data.
Ecotoxicity	No data.
<b>13. DISPOSAL</b>	
Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Plastic caps and empty aerosols may be recycled via appropriate routes. Empty aerosols may be disposed of by authorised landfill. Do not incinerate closed containers.
<b>14. TRANSPORT INFORMATION</b>	
UN Number	1950
UN Proper Shipping Name	Aerosols, flammable, n.o.s.
UN Class	2.1
UN Packaging Group	II
ADR/RID Substance Identification Number	1950
ADR/RID - Description	Aerosols.
ADR/RID - Class	2
ADR/RID - Item No.	10(b)2
IMDG - Proper Shipping Name	Aerosol Dispensers.
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<b>14. TRANSPORT INFORMATION (continued)</b>	
IMDG - Packaging Group	II
IMDG - Class	2
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2
IATA - Subsidiary Risks	3
Tremcard No. TEC(R)	20G26
<b>15. REGULATORY INFORMATION</b>	
Labelling Information	 <b>Extremely flammable</b>
R phrases	Extremely flammable.
S phrases	Keep away from sources of ignition - No Smoking. Do not breathe spray. Use only in well ventilated areas. Keep out of reach of children.
<b>16. OTHER INFORMATION</b>	
Product Use	For industrial use only. Cleaning solvent.
MSDS first issued	27 February 1997
MSDS data revised	28 February 1997
<b>17. NATIONAL LEGISLATION</b>	
EC Legislation	EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations. EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations. EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.
UK Guidance Publications	EH40, Occupational Exposure Limits, HSE. Revised Annually.
<p>To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.</p>	
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