

SURE ROLL ON

1. PRODUCT & COMPANY IDENTIFICATION			
Product Name	Alcoholic ZACH Roll-On		
Reference Number D/PSDS/	003	Issue Number	1

Brand(s)	Sure Roll-on – Blue, Cotton Fresh, White, Silk, Oxygen, Source, Active Sport, Original For Men, Sport For Men, Ionic. Physio Sport roll-on – Pure Energy, Fresh Blast, Vital Instinct.
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Supplier Name and Address	Lever Fabergé Coal Road Seacroft Leeds LS14 2AR Telephone 0113 222 5000 Fax 0113 222 5362
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2. COMPOSITION/INFORMATION ON INGREDIENTS	
Ingredient Name	%w/w max
Ethanol	60
Aluminum Zirconium Pentachlorohydrate	30
Fragrance	5
Hydroxypropyl Cellulose	1.5
Dyestuffs and minor ingredients	0.5
Water	40

The above is a generic list of ingredients for this product type. Please note that the ingredients listed may not necessarily be present in all the brands covered by this Product Safety Data Sheet

Hazard Symbols: None Listed

Risk Phrases: R10,

3. HAZARDS IDENTIFICATION	
Hazard	Flammable
<b>Potential Health Effects</b>	
Ingestion	Unlikely to be harmful unless excessive amounts swallowed
Eye	Can cause irritation to eyes
Skin	Can cause moderate skin irritation. Unlikely to be irritant in normal use
Inhalation	Narcotic if high concentrations inhaled
<b>Chronic</b>	
No specific chronic effects expected in normal use. Inhalation of high concentrations may cause narcotic effects. Prolonged exposure may cause liver, kidney and heart damage.	

4. FIRST AID MEASURES	
 <b>FIRST AID</b>	Emergency Tel: Day: 0800 591720 (8.30am-4.30pm) Night: 0113 222 5000 (4.30pm-8.30am)
Eyes	Irrigate copiously with water for 10 minutes and seek medical advice if irritation persists.
Skin	Remove contaminated clothes. Wash with soap and water. Obtain medical advice if any irritation or evidence of skin damage persists.
Inhalation	Remove to fresh air immediately. Keep at rest. If breathing difficulties develop, obtain medical assistance.
Ingestion	Wash out mouth with water. Give 1 or 2 glasses of water (or milk) if subject

	is awake and able to drink. Get medical advice immediately
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5. FIRE FIGHTING MEASURES	
Extinguishing Media	Water spray, alcohol-resistant foam, powder or carbon dioxide. Keep containers and surroundings cool with water spray.
Special Hazards	Possibility of re-ignition. Vapours can travel a considerable distance to a source of ignition and flashback. This product gives off flammable vapours which may form explosive mixtures in air. Fire can cause release of Hydrogen Chloride. Containers may explode in heat of fire.
Special PPE	As in any fire, wear self contained breathing apparatus in pressure demand. MSHA/NIOSH (approved or equivalent), and full protective gear.

6. ACCIDENTAL RELEASE MEASURES	
Method of clean up	Prevent spread of material by use of temporary bund or impervious barrier. Allow to evaporate if safe to do so or contain and absorb on inert powder (e.g. sand, Spill-Dri). Shovel into plastic lined containers and seal. Wash floors with water and detergent.
Personal Precautions	Spillages will create a fire hazard. Eliminate all sources of ignition. Ventilate contaminated areas thoroughly. Vapours can accumulate in low areas. Beware of vapours accumulating to form explosive concentrations. Avoid inhalation, skin & eye contact. For large volumes consider the need for evacuation. Use Personal protective equipment as indicated in section 8.
Environmental Precautions	Prevent the material from entering the drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

7. HANDLING AND STORAGE	
Bulk Storage	Storage area should be cool, dry and well ventilated. Store away from sources of heat or ignition, away from incompatible materials. Keep containers tightly closed. Storage & transfer equipment should be adequately earthed to prevent accumulation of static discharge. Store in accordance with the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations.
Bulk Handling	Use in well ventilated area. Avoid inhalation, skin & eye contact. Use local ventilation to control exposure to product to below recommended limits. Suitable equipment for dealing with fire/spillage's should be readily available.
Consumer Pack	Use only in accordance with pack instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards	UK EH40: OES ethanol 1000ppm (1920 mg m <sup>-3</sup> ) 8h TWA
Protective Equipment	Wear appropriate gloves and eye protection. If there is a risk of exposure to high vapour concentrations, respiratory protection, goggles or face shield. Wear appropriate clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Clear (Coloured or Colourless) liquid
pH value	3 - 4
Boiling Point	78°C (ethanol)
Flash Point (°C)	25°C
Specific Gravity @ 20°C	0.99
Flammability	Classed as Flammable in the EC
Explosive Limits	Lower: 3.3 vol%                      Upper: 19 vol % (ethanol)

<b>10. STABILITY AND REACTIVITY</b>	Stable under normal conditions
Stability	High temperatures. Sources of ignition, Oxidising agents
Conditions to avoid	Possible formation of corrosive fumes of Hydrogen Chloride, (HCl), from the thermal decomposition of Pentachlorohydrate.
Hazardous decomposition products	Combustion of ethanol will generate oxides of carbon. Fragrance - carbon monoxide & unidentified organic compounds may be formed.

<b>11. TOXICOLOGICAL INFORMATION</b>	
Acute Toxicity	Eye: Not tested, but unlikely to cause irritation. Skin: Not tested, but unlikely to cause irritation. Ingestion: Not tested, but unlikely to cause irritation. Inhalation: Not tested, unlikely to cause irritation. Ingredient Toxicity – Ethanol and Glycerine are not classified as Toxic. Ethanol- Oral LD <sub>50</sub> (rat) 6.2-17.8g/kg, Inhalation LC <sub>50</sub> (rat) >8g/l 4h. Dermal LD <sub>50</sub> (rabbit) >20g/kg. Glycerine- Oral LD <sub>50</sub> (rat) >2g/Kg Fragrance – no data available, not tested as an entity. Certain components may pose to be a toxicological problem.

<b>12. ECOLOGICAL INFORMATION (Ingredient data)</b>	
Mobility	Ethanol is volatile and will evaporate into the air. If released to air it will disperse rapidly. The product will dissolve rapidly in water. If released to soil it will evaporate at a rapid rate. Aluminium Pentachlorohydrate is soluble in water and will hydrolyse to produce insoluble aluminium compounds.
Persistence/Degradability	Ethanol in the product is readily biodegradable. Aluminium salts are not biodegradable, good elimination is possible by flocculation or adsorption by sludge. Hydroxy propyl cellulose is slowly biodegradable.
Bio-accumulation	Ethanol is not expected to bioaccumulate
Ecotoxicity	Ethanol, rated as non-hazardous to aquatic species. Aluminium Pentachlorohydrate – Fed to biological sewage plants - no effects on decomposition properties of sludge to be expected. Hydroxy propyl cellulose – none quoted, not expected to present a long term ecological problem. Fragrance – no data available, not tested as an entity. Certain components may pose to be a ecological problem.

<b>13. DISPOSAL CONSIDERATIONS</b>
In accordance with the latest guidance issued by the environment agency.

<b>14. TRANSPORT INFORMATION</b>				
Product Bulk	UN:	UN1266 Perfumery Product	IMDG:	Class 3, PGI, Limited quantities
	ADR/RID:	Class 3, PGI Perfumery Product	IATA:	Class 3, Packing instructions 305
Traded Unit	UN:	UN1266 Perfumery Products	IMDG:	Class 3, P II, Limited quantities
	ADR/RID:	Class 3, PG II, Limited quantities	IATA:	Class 3, Packing Instructions 305

Traded Unit – Collation of a number of Consumer units ie. 4, 6, 12 etc.

<b>15. REGULATORY INFORMATION</b>	
Hazard Symbols	None Listed
Risk Phrases	R10 Flammable
Safety Phrases	S2 Keep out of reach of children S7 Keep container tightly closed S16 Keep away from sources of ignition - no smoking S25 Avoid contact with eyes S33 Take precautionary measures against static discharges
UK Occupational Exposure Limits	Ethanol - TWA 1000ppm, 1920mg/m <sup>3</sup>

<b>16. OTHER INFORMATION</b>
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Notice	This material safety data sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. Users should make their own investigations to determine suitability of the information for their own purposes.
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Reason for Issue	New PSDS Format
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Prepared By	Alastair Clark/Jayne Taylor-Hirst	Date	9 <sup>th</sup> August, 2002
<b>Authorisation</b>			
	Signed	Print	Date
Packaging Project Manager	I. Nicholson	I. Nicholson	18 <sup>th</sup> December, 2002
Technical Brand Manager	A. Butterworth	A. Butterworth	25 <sup>th</sup> October, 2002

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