

1. PRODUCT & COMPANY IDENTIFICATION

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| Product Type | Antiperspirant Aerosol – (Gassed Can) | | |
| Reference Number D/PSDS/ | 009 | Issue Number | 4 |

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| Product Names | <p>Sure Antiperspirant – Blue, Pink, Cotton Fresh, White, Oxygen, Source, Crystal Clear Aqua, Crystal Clear Ice, Original for Men, Active Men, Sport For Men, Sensitive for Men, Ionic, Cobalt, Aloe Vera</p> <p>Sure Sport Antiperspirant – Blast, Instinct, Ultimate</p> <p>Dove Antiperspirant – Original, Fresh Blue, Sensitive, Silk.</p> <p>Vaseline Antiperspirant – Fresh Balance, Active Fresh, For Men, Aloe Fresh.</p> <p>Impulse Antiperspirant – O2, Sci, Air, Spirit, Siren, Goddess, Thrill</p> <p>Lynx Dry – Africa, Dimension, Gravity, Pulse, Touch, Unlimited.</p> <p>Physio Sport – Pure Energy, Fresh Blast, Vital Instinct.</p> <p>Brut Antiperspirant</p> |
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| Supplier Name and Address | <p>Lever Fabergé Coal Road Seacroft Leeds LS14 2AR Telephone 0113 222 5000 Fax 0113 222 5362</p> |
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2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient Name | %w/w max |
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| Aluminium chlorohydrate | 20 |
| Cyclomethicone | 15 |
| Non-volatile oil (PPG-14 Butyl Ether) | 15 |
| C12-15 Alkyl Benzoate | 2 |
| Penetic acid | 2 |
| Bentone 38V | 2 |
| Fragrance and minor ingredients | 5 |
| Hydrocarbon Gas (mixture primarily of propane, isobutane & butane) | 90 |

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: F+
Risk Phrases: R12,



3. HAZARDS IDENTIFICATION

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| Hazard | Extremely Flammable |
| Potential Health Effects | |
| Ingestion | Not applicable – Pressurised container |
| Eye | Can cause irritation to eyes |
| Skin | Can cause skin irritation. Unlikely to be irritant in normal use |
| Inhalation | Narcotic if high concentrations inhaled. In poorly ventilated, enclosed areas unconsciousness and asphyxiation may result. |
| Inappropriate Use | Used incorrectly product can cause cold burns to skin & eyes. |
| Chronic | |
| No specific chronic effects expected in normal use. | |

4. FIRST AID MEASURES

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|  <p>FIRST AID</p> | <p>Emergency Tel: Day: 0800 591720 (8.30am-4.30pm) Night: 020 84396100 (4.30pm-8.30am)</p> |
| Eyes | Irrigate copiously with water for 10 minutes and seek medical advice if |

LEVER FABERGÉ

PRODUCT INFORMATION DATA SHEET

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| | irritation persists. |
| Skin | Remove contaminated clothes, do not attempt to remove clothing if stuck to the skin. 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 |

5. FIRE FIGHTING MEASURES

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| Extinguishing Media | Water spray, foam or dry powder. Keep nearby containers cool with water spray. |
| Special Hazards | Vacate the area and call the Fire Brigade. Small fires can be attacked with dry powder extinguishers. Flammable Aerosols will explode in fire giving off flammable vapours and release of Hydrogen Chloride, (HCl). Disperse accumulating vapour with water spray. Possibility of re-ignition. May form explosive mixtures with air. |
| 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

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| Method of clean up | Ensure aerosols are stable before commencing clean up. Treat product base by absorbing on inert powder (e.g. sand, Spill-Dri). Shovel into plastic lined containers and seal. Wash floors with water and detergent. Stable damaged cans can be disposed of in accordance with latest guidance issued by the environment agency. Damaged cans should be handled with extreme care to avoid cuts & lacerations. Leather gloves should be worn. |
| 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. Prevent inhalation, skin & eye contact. For large volumes, consider 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

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| 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 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 of vapour, contact with skin & eyes. Suitable equipment for dealing with fire/spillage's should be readily available. |
| Consumer Pack | Use only in accordance with pack instructions. If sprayed too close to skin product may cause cold burns. Avoid eye contact. Avoid excessive inhalation of vapour. Avoid prolonged spraying. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Occupational Exposure Standards | Butane gas 1000ppm 8hr TWA, 1250ppm 10 min period |
| 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. Gloves resistant to low temperatures may be required. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Off white semi viscous liquid, may settle to leave clear layer on top. |
| pH value | Not Applicable |
| Flash Point (°C) | >76°C (base) |
| Specific Gravity | 0.5 – 0.8 g/ml (in can) |
| Flammability | Classed as Extremely Flammable |

LEVER FABERGÉ

PRODUCT INFORMATION DATA SHEET

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| Explosive Limits | 1.8% - 10.0% in air (butane gas) |
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10. STABILITY AND REACTIVITY

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| Stability | Stable under normal conditions |
| Conditions/Materials to avoid | High temperatures. Sources of ignition or naked flame. |
| Hazardous decomposition products | Thermal decomposition of ACH > 100°C with the formation of corrosive fumes of Hydrogen chloride. PPG 14 Butyl ether – Combustion products of carbon monoxide and/or carbon dioxide. Cyclomethicone – Formaldehyde may be formed if temperatures exceed 150°C in the presence of air due to oxidative decomposition. Fragrance - Carbon monoxide & unidentified organic compounds may be formed. |

11. TOXICOLOGICAL INFORMATION

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| Acute Toxicity | Eye: Not tested, but may cause irritation. Skin: Not tested, but unlikely to cause irritation. Ingestion: Not tested, but unlikely to cause irritation. Inhalation: Not tested, but unlikely to cause irritation. Ingredients classified as not toxic. Aluminum Chlorohydrate – Oral LD50 (rat) 9.2g/kg, Cyclomethicone Oral LD50 (rat) >5g/Kg, C12-15 alkyl benzoate Oral LD50 34.5g/Kg. PPG-14 Butyl ether – no information available. Hydrocarbon gas – no known problems. Fragrance – no data available, not tested as an entity. Certain components may pose to be a toxicological problem. |
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12. ECOLOGICAL INFORMATION (Ingredient data)

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| Mobility | Butane gas is volatile and will evaporate into the air. If released to air it will disperse rapidly. Cyclomethicone has a very low solubility in water and if discharged into water will initially form a surface film. However as it is volatile, it will rapidly evaporate in air. Non-Volatile oils have low solubility in water and will float on the surface. Aluminium Chlorohydrate is soluble in water and will hydrolyse to produce insoluble aluminum compounds. |
| Persistence/Degradability | Butane gas will undergo photochemical degradation at a moderate rate. Cyclomethicone is volatile and will be degraded rapidly in the atmosphere with a half-life <30days. C12-15 alkyl benzoate is biodegradable. PPG14 Butyl ether – none quoted. Aluminium salts are not biodegradable, good elimination possible by flocculation or adsorption by sludge. Penetic acid is not readily biodegradable. |
| Bio-accumulation | Cyclomethicone – no evidence of bioaccumulation. Butane gas – not applicable. |
| Ecotoxicity | Aluminium Chlorohydrate, if fed to biological sewage plants no effects on decomposition properties of sludge to be expected. Non-volatile oils, Penetic acid, Bentone – no data quoted. Cyclomethicone – Non toxic to sewage sludge bacteria. Presents no risk to aquatic organisms. Butane gas – no known ecological problems. Fragrance – no data available, not tested as an entity. Certain components may pose to be a ecological problem. |

13. DISPOSAL CONSIDERATIONS

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| In accordance with the latest guidance issued by the environment agency. |
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14. TRANSPORT INFORMATION

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| Product Base | UN: | Not applicable | IMDG: | Not applicable |
| | ADR/RID: | Not applicable | IATA: | Not applicable |

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|-------------|----------|--------------------------------------|-------|---|
| Traded unit | UN: | UN1950, Aerosols | IMDG: | UN1950, Class 2 Aerosols Limited quantities |
| | ADR/RID: | Class 2, Aerosols Limited quantities | IATA: | UN1950 Class 2.1, Packing instruction 203 |

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



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15. REGULATORY INFORMATION

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| Hazard Symbol | F+ |
| Risk Phrases | R13 Extremely Flammable |
| Safety Phrases | S2 keep out of reach of children S16 Keep away from sources of ignition - No smoking S15 Keep away from heat S25 Avoid contact with eyes |
| UK Occupational Exposure Limits | Butane gas TWA 1000ppm, 1920mg/m ³ 8 hours, 1250 ppm 10 min period |

16. OTHER INFORMATION

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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 | Shirley Jones/Jayne Taylor-Hirst | Date | 18 th October, 2002 |
| Authorisation | | | |
| | Signed | Print | Date |
| Packaging Project Manager | I. Nicholson | Ian Nicholson | 18 th December, 2002 |
| Technical Brand Manager | S. Jones | Shirley Jones | 18 th December, 2002 |

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