

KerrHawe

MATERIAL SAFETY DATA SHEET

in accordance with communitary directive 2001/58/EC

Section I - Identification of Product and Company

Trade Product Name: Mirror Spray	Preparation/Revision Date: 07/04
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Company Name: KerrHawe S.A.	Emergency phone: (+41)-91-61.00.639
Company Address: Zona Strecce – 6934 Bioggio (Switzerland)	Information phone: 00-800-41-050-505

Section II - Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	%	SYMBOL	R	CAS N.	EINECS N.
Isopropyl alcohol	49-50	F; Xi	11-36-67	67-63-0	200-661-7
Trideceth 8	2	Xi	36/37/38	24938-91-8	N/A
Propane	9-10	F+	12	74-98-6	200-827-9
n-Butane	35-40	F+	12	106-97-8	203-448-7
Iso-Butane	0,5-1	F+	12	75-28-5	200-857-2
1,3 Butadiene	<<0,1	F+; T	45-46-12	106-99-0	203-450-8

Section III - Hazards Identification

HAZARD CLASSIFICATION	Extremely flammable; Irritating
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Section IV - First Aid Measures

Treatment for eye contact: Rinse for several minutes under running water. Consult a physician.
Treatment for skin contact: Rinse with water and soap.
Treatment for inhalation (breathing): Inhalation of large amounts of product may cause breathing problems. If person is conscious, move to fresh air, otherwise give him artificial respiration and ask for a doctor, immediately.
Treatment for ingestion (swallowing): Rinse mouth with water, do not induce vomiting. Call a physician or transport to hospital.

Section V - Firefighting Measures

Suitable extinguishing media: Water spray, dry chemicals, CO2, alcohol resistant foam.
Forbidden extinguishing media: Unknown.
Special firefighting measures: None.
Unusual fire and explosion hazards: None .
Special protection equipment: Sealed overall.

Section VI - Accidental Release Measures

Personal Precautions: Do not breathe fumes, avoid contact with skin and eyes.
Environmental Precautions: Do not discharge into sewer, take measures against electrostatic charge.
Reclaiming Methods: Dilute with water, wipe with cloth and transfer to suitable container for disposal. Incinerate liquid in proper equipment.

Section VII - Handling and Storage

Handling Precautions: Adopt the precautions already listed in section VIII
Precautions in case of Fire and Explosion: .
Storage Conditions: Store in a cool and dry well ventilated place, away from heat. Keep container tightly closed.
Suggested container(s): The original containers provided by manufacturer.
Indication for Combined Storage: Avoid contact with oxidizing agents.
Other Precautions: Use in accordance with directions.

Section VIII - Exposure controls/personal protection

Precautionary Measures	<u>Ventilation</u> Local Exhaust Ventilation: General. Special Ventilation: None. Mechanical (General) Ventilation: General. Other Ventilation: None.
Limits	TWA: 750ppm (n-butane); 400ppm (isopropanol); TLV: 800ppm (n-butane); 500ppm (isopropanol)
Respiratory Protection	For high concentration of vapors, wear a respiratory mask.
Hands Protection	Protective gloves.
Eyes Protection	Safety goggles.
Skin Protection	None required.
Other Protective Equipments:	Use of lab coat should be sufficient.

Section IX - Physical and Chemical Properties

Boiling Point: Not applicable (N/A) Vapor Pressure: N/A	Melting Point: N/A Specific Gravity: 0,837g/ml (Relative density)	
Evaporation Rate (n-butane=1): N/A	Vapor Density (air=1): Not available	
Solubility in Water: Soluble.		
Appearance and Odor (Physical Form): Colorless clear liquid with alcohol odour.		
Flash Point: <-4°C	Upper explosivity limit: Not available	Lower explosivity limit: Not available

Section X - Stability and Reactivity

Stability: Stable if used as per directions.
Conditions to Avoid: Heat, high temperatures, ignition sources, sparks, flames.
Incompatibility (Materials to Avoid): Not determined.
Hazardous Decomposition Products: Oxides of Carbon.
Hazardous Polymerization Products: Will not occur.

Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: No
<p style="text-align: center;"><u>Effects and Hazards of Overexposure (Acute and Chronic)</u></p> <p>Effects and hazards of eye contact: May cause irritation.</p> <p>Effects and hazards of skin contact: May cause a mild irritation.</p> <p>Effects and hazards of Inhalation (Breathing): Vapours may cause drowsiness and dizziness</p> <p>Effects and hazards of Ingestion (Swallowing): Unknown.</p> <p>Effects for prolonged Exposure: Not available.</p>

Section XII - Ecological Information

There is no specific information on the product. Use according to good working practices, avoiding release of the product into environment.

Section XIII - Disposal Considerations

Dispose in accordance with local regulations.

Section XIV - Transport Information

SEA TRANSPORTATION				
IMCO Number				
UN Number	1950			
Substance(s) determining hazard	Aerosols (containing n-Butane)			
AIR TRANSPORTATION				
ICAO/IATA Class	2			
Substance(s) determining hazard	Aerosols (containing n-Butane)			
TRANSPORTATION BY ROAD/RAILWAY				
<u>RID/ADR</u> 2	Item 5 F	Hazard Identification 23	Substance 1950	<u>Hazard</u> 3
Class	Number	Number	Identification Number	<u>Label</u>

Section XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES	
HAZARD IDENTIFICATION SYMBOL	F+; Xi
R Sentences	
12	Extremely flammable
36	Irritating to eyes
67	Vapours may cause drowsiness and dizziness
S Sentences	
9	Keep container in a well-ventilated place
16	Keep away from sources of ignition - No smoking
Ingredients determining the label	n-Butane and Isopropyl alcohol

Section XVI - Other Information

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CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this Safety Sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this Sheet or the use of this product together with any other process/procedure will be exclusively under the user's responsibility.