

# Kerr Italia SpA

## MATERIAL SAFETY DATA SHEET

in accordance with communitary directive 2001/58/EC

### Section I - Identification of Product and Company

Trade Product Name: <b>Die Hardener Spacer</b>	Preparation/Revision Date: 02/05
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Company Name: <b>Kerr Lab</b>	Emergency phone: <b>00-800-41-050-505</b>
Company Address: <b>Zona Strecce - 6934 Bioggio (Switzerland)</b>	Information phone: <b>00-800-41-050-505</b>

### Section II - Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	%	SYMBOL	R	CAS N.	EINECS N.
Methyl Ethyl Ketone (MEK)	45-75	Xi; F	11-36-66-67	78-93-3	201-159-0
Butyl Acetate	1-25	F	10-66-67	123-86-4	204-658-1

### Section III - Hazards Identification

HAZARD CLASSIFICATION	Irritant; Highly flammable.
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### Section IV - First Aid Measures

Treatment for eye contact: <b>Flush with plenty of water (10-15 minutes). Call a physician.</b>
Treatment for skin contact: <b>Remove the product with alcohol. Consult a physician.</b>
Treatment for inhalation (breathing): <b>Take into fresh air. If you feel unwell, seek medical advise (show this data sheet).</b>
Treatment for ingestion (swallowing): <b>Call a physician immediately and show packaging or label.</b>

### Section V - Firefighting Measures

Suitable extinguishing media: <b>Foam, powders, CO2, Water Fog.</b>
Forbidden extinguishing media: <b>Do not use direct water stream.</b>
Special fire fighting measures: <b>Self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure modes.</b>
Unusual fire and explosion hazards: <b>Violent eruption of containers may occur under fire conditions.</b>
Special protection equipment: <b>Tinning overalls for liquids and gases; breathing apparatus.</b>

### Section VI - Accidental Release Measures

Personal Precautions: <b>Adopt same precautions of section VIII.</b>
Environmental Precautions: <b>Do not allow to flow off into the drains.</b>
Reclaiming Methods: <b>Dispose in accordance with local regulations.</b>

### Section VII - Handling and Storage

Handling Precautions: <b>Use away from ignition sources and have lids tightly closed. Only adequately trained personnel should handle this product. Keep out of reach of children. No smoking.</b>
Precautions in case of Fire and Explosion: <b>Not available.</b>
Storage Conditions: <b>Store at room temperature away from heat sources.</b>
Suggested container(s): <b>The original containers provided by manufacturer.</b>
Indication for Combined Storage: <b>Avoid contact with strong oxidizers.</b>
Other Precautions: <b>Use according to directions.</b>

### Section VIII - Exposure controls/personal protection

Precautionary Measures	<p style="text-align: center;"><u>Ventilation</u></p> <p>Local Exhaust Ventilation: <b>Adequate, local needed if not vented. Control airborne concentration below the exposure guideline.</b></p> <p>Special Ventilation: <b>None.</b></p> <p>Mechanical (General) Ventilation: <b>Suitable.</b></p> <p>Other Ventilation: <b>None.</b></p>
Limits	<p>TLV: <b>200ppm (n-Butyl Acetate ); 300ppm (MEK)</b></p> <p>PEL: <b>150ppm (n-Butyl Acetate ); 200ppm (MEK)</b></p>
Respiratory Protection	<b>Self contained breathing apparatus if the product is used generating aerosols.</b>
Hands Protection	<b>Neoprene types.</b>
Eyes Protection	<b>Safety glasses.</b>
Skin Protection	<b>Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure to uncured material.</b>
Other Protective Equipments:	<b>Eye bath and lab coat.</b>

### Section IX - Physical and Chemical Properties

Boiling Point: <b>79 °C</b> Vapor Pressure: <b>105 mbar at 20°C</b>		Melting Point: <b>Not available</b> Specific Gravity: <b>0.8g/ml at 20°C</b>	
Evaporation Rate (n-butane=1): <b>Not determined</b>		Vapor Density (air=1): <b>Not determined</b>	
Solubility in Water: <b>Insoluble</b>			
Appearance and Odor (Physical Form): <b>Colorless varnish with solvent odor.</b>			
Flash Point: <b>-1°C</b>	Upper explosivity limit: <b>11,5%</b>	Lower explosivity limit: <b>1,2%</b>	

### Section X - Stability and Reactivity

Stability: <b>Stable</b>
Conditions to Avoid: <b>Extremely high temperatures.</b>
Incompatibility ( Materials to Avoid ): <b>Avoid contact with strong oxidizers.</b>
Hazardous Decomposition Products: <b>None under normal conditions of storage and use.</b>
Hazardous Polymerization Products: <b>Will not occur.</b>

### Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: <b>No</b>
<p align="center"><u>Effects and Hazards of Overexposure ( Acute and Chronic )</u></p> <p>Effects and hazards of eye contact: <b>May cause irritation.</b></p> <p>Effects and hazards of skin contact: <b>May cause reddening.</b></p> <p>Effects and hazards of Inhalation (Breathing): <b>May cause dizziness, drowsiness, and disturbed vision.</b></p> <p>Effects and hazards of Ingestion (Swallowing): <b>May cause nausea, abdominal pain, vomiting, headache, dizziness, drowsiness.</b></p> <p>Effects for prolonged Exposure: <b>No evidence of adverse effects.</b></p>

### Section XII - Ecological Information

<b>Aquatic toxicity:</b> .Valuation method WGK (from 0 to 3): 1
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### Section XIII - Disposal Considerations

Dispose in accordance with local regulations.
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**Section XIV - Transport Information**

SEA TRANSPORTATION				
IMCO Number		3220		
UN Number		1231		
Substance(s) determining hazard		Methyl ethyl ketone (MEK)		
AIR TRANSPORTATION				
ICAO/IATA Class		3		
Substance(s) determining hazard		Methyl ethyl ketone (MEK)		
TRANSPORTATION BY ROAD/RAILWAY				
<u>RID/ADR</u> 3	Item 3°b	Hazard Identification 33	Substance Identification 1193	<u>Hazard</u> 3
Class	Number	Number	Number	<u>Label</u>

**Section XV - Regulatory Information**

<b>CLASSIFICATION IN ACCORDANCE WITH EC DIRECTIVES</b>	
HAZARD IDENTIFICATION SYMBOL	<b>Xi; F</b>
<b>R Sentences</b>	
11	Highly flammable.
36	Irritating to eyes
66	Repeated or prolonged exposure may cause dryness and crack to the skin
67	The inhalation of the vapors can cause drowsiness and dizziness
<b>S Sentences</b>	
2	Keep out of the reach of children
9	Keep container in a well-ventilated place
16	Keep away from sources of ignition - No smoking.
23	Do not breathe vapors.
29	Do not empty into drains.
33	Take precautionary measures against static discharges.
Ingredients determining the label	Methyl ethyl ketone (MEK).

**Section XVI - Other Information**

None
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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.