

**MATERIAL SAFETY DATA SHEET
&
TECHNICAL SPECIFICATION**

The company urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are expert in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in the MSDS and any other information regarding hazards or safety; (2) furnish this information to each of its customers for the product; and (3) request ist Customers to notify their employees, customers, and other users of the product of this information.

Date of Issue: 23. April 2002

File Name: SDB Fuser agent 5090 /6180

Company: KB Roller Tech Kopierwalzen GmbH
Address: Zum Frenser Feld 2, D-50127 Bergheim
Postfach 3364, D-50112 Bergheim
Germany
Phone: +49-(0)-2273-942-0
Fax: +49-(0)-2273-942-129
Mobile: +49-(0)-172 969 1208
e-mail: gdau@kbrt.de

IDENTIFICATION

Product Name: Mercapto Modified Silicone Oil
Article No.: 513930
Chemical Family: modified organo-polysiloxane
Use: Fuser Agent
Application Procedure: photocopier / printer
UN Number: None allocated
Dangerous Goods Class & Subsidiary Risk: None allocated
Hazchem Code: None allocated
Poisons Schedule Number: None allocated
Formula: Polymer
Packaging Group: None allocated

Ingredient	CAS Number	Proportion
Mercapto functional Polydimethylsiloxane		100 %

This material is not a hazardous material as defined by the Federal Hazardous Substances Act.

Physical Description/Properties

Appearance & Odour:	Clear liquid, slight organosulphur
Physical State:	Liquid
Boiling point:	> 260 degrees
Vapour Pressure (20 °C):	1 mmHg
Specific Gravity:	0.97
Flash Point (°C):	260 degrees
Flammability Limits (%):	Non-flammable
Vapour Density:	N/A
pH:	Neutral
Viscosity:	260-310 mm ² /s
Evaporation Rate:	N/A

HEALTH HAZARD INFORMATION

Health Effects

No adverse health effects expected if the product is handled in accordance with this safety data sheet. Symptoms that may arise if the product is mishandled are:

ACUTE

Swallowed:	May cause slight discomfort in the mouth and throat and mild abdominal discomfort.
Skin:	Brief contact is not irritating. Prolonged contact causes mild to moderate local redness and swelling. Effects may be prolonged.
Inhaled:	Short- term harmful health effects are not expected from vapour generated at ambient temperature.
Eyes:	Causes irritation, experienced as stinging and discomfort or pain. Excess redness and swelling of the conjunctiva may occur.

FIRST AID

Swallowed:	If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention.
Eye:	Flush eyes with water for 15 minutes. Contact physician if irritation persists.
Skin:	Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.
Inhaled:	No emergency care anticipated

Advice to Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

PRECAUTIONS FOR USE

- Exposure standards:** TWA off 10,000 ppm & at a STEL of 30,000 ppm
- Engineering Controls:** Use in well ventilated areas.
- Personal Protection:** Industrial clothing, goggles, gloves. Avoid skin contact.
- Flammability:** non flammable

SAFE HANDLING INFORMATION

- Explosive Range:** Not available.
- Storage & Transport:** Keep away from open flame or other ignition sources.
Keep out of reach of children and store below 120 °F (50 °C).
- Spills & Disposal:** Wear protective clothing/equipment. Avoid runoff to sewers or waterways. Collect for disposal.
- Waste Disposal Method:** Incinerate in a furnace or otherwise dispose of in accordance with appropriate Federal, State, and local regulations.

OTHER INFORMATION

The opinion expressed herein are those of qualified experts within the company. We believe that the information contained herein is current as of date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of the company, it is the users obligation to determine the conditions of safe use of the product.

While the company believes that the data contained herein are factual and the opinions expressed are those of qualified experts the data are not to be taken as warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.