



MATERIAL SAFETY DATA SHEET

Doc. ID: OAX04207-75 AA
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Section 1 Company and Product Identification

Product Name	Sealing Solution
Part Number	OAX04207
Product Use	For Research Use Only. See product literature for details.
Manufacturer	Beckman Coulter Biomedical GmbH Sauerbruchstraße 50 81377 Munich, Germany Tel: +49-89-579589-3540 Fax: +49-89-579589-3503 Email: support@advalytix.com
Distributor and Emergency Phone No.	 Refer to attached list, Document ID: 472050 , for local distributor and emergency phone numbers.

Section 2 Hazards Identification

Emergency Overview	Colorless; Clear; Liquid; Mineral oil odor Negligible fire hazard when exposed to flame or heat. Skin, eye and respiratory tract irritant.		
Physical Hazards	No physical hazards were determined from a review of available literature.		
Potential Health Effects Summary	Exposure may result in irritation of skin, eyes, and mucous membranes. See Section 11 Toxicological Information for more detailed health information.		
Potential Environmental Effects	Not available		
Product Hazard Classifications	Meets Hazardous Criteria for Preparation/Mixture		
	EU: Not applicable	WHMIS: Not applicable	US OSHA: Hazardous

Section 3 Composition and Information on Ingredients

Hazardous Ingredients:				Hazard Classification of Pure Ingredients		
Chemical Name	CAS #	EINECS #	% by wt.	EU	WHMIS	US OSHA
Mineral Oil	8042-47-5	2324558	> 45	No	No	Irritant

See Section 15 Regulatory Information for additional information on hazard classifications.

Section 4 First Aid Measures

Inhalation	If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
Eye Contact	If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.
Skin Contact	In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.
Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Section 5 Fire Fighting Measures

Flammable Properties	Negligible fire hazard when exposed to flame or heat.
Extinguishing Media	Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion Hazards	No special hazards determined.
Hazardous Combustion Products	Combustion products may include oxides of carbon and unidentified organic compounds.
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Section 6 Accidental Release Measures

Personal Precautions	Use good laboratory procedures; avoid eye and skin contact.
Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions	Contain spill to prevent migration.

Section 7 Handling and Storage

Handling Precautions	Use good laboratory procedures; avoid eye and skin contact.
Recommended Storage Conditions	Keep away from incompatible material (see Section 10). To maintain efficacy, store according to the instructions in the product labeling.

Section 8 Exposure Controls and Personal Protection

Exposure Limits	
US OSHA:	
Mineral Oil	5 mg/m ³ TWA

Section 8 Exposure Controls and Personal Protection (Continued)

ACGIH:

Mineral Oil 10 mg/m³ STEL (sampled by method that does not collect vapor); 5 mg/m³ TWA (sampled by method that does not collect vapor)

DFG MAK:

None established

NIOSH

Mineral Oil 2500 mg/m³ IDLH; 5 mg/m³ TWA; 10 mg/m³ STEL

Japan

Mineral Oil 3 mg/m³ OEL

Engineering Controls

No special engineering controls are required. Use with good general ventilation.

Respiratory Protection

Under normal conditions, the use of this product should not require respiratory protection.

Eye Protection

Safety glasses or chemical goggles should be worn to prevent eye contact.

Skin Protection

Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.

Section 9 Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Transparency	Clear
Odor	Mineral oil odor
Odor Threshold	Not applicable
pH	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not applicable
Flammable Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	0.83 @20°C
Solubility	
Water	Insoluble in water.
Organic	Not available

Section 9 Physical and Chemical Properties (Continued)

Coefficient of Water/Oil Distribution	Not available
Autoignition Temp.	Not available
Decomposition Temperature	Not available
Percent Volatiles	Not available

Section 10 Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Strong acids Strong bases Strong oxidizers
Hazardous Decomposition Products	No decomposition products posing significant hazards would be expected from this product.
Conditions to Avoid	Avoid contact with incompatible materials.

Section 11 Toxicological Information

Toxicity Data for Hazardous Ingredients	
Mineral Oil	Oral LD50 Rat: >5000 mg/kg
Primary Routes of Exposure	Eye contact, ingestion, inhalation, and skin contact.
Potential Effects of Acute Exposure	May cause irritation of nose, skin, and eyes. Additional effects may include headache, nausea, and vomiting.
Potential Effects of Chronic Exposure	Effects are similar to those for acute exposure.
Symptoms of Overexposure	No specific symptoms identified.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other Effects	None identified.
Conditions Aggravated by Exposure	None identified.

Section 12 Ecological Information

Ecotoxicity	
Mineral Oil	96 Hr LC50 Lepomis macrochirus: >10000 mg/L

Section 12 Ecological Information (Continued)

Biodegradability	No information available.
Bioaccumulation	No information available
Mobility	No information available.
Other Adverse Effects	No information available

Section 13 Disposal Considerations

Waste Disposal	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.
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Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

Section 15 Regulatory Information

US Federal and State Regulations

SARA 313	No ingredients listed.
CERCLA RG's, 40 CFR 302.4	No ingredients listed.
California Proposition 65	No ingredients listed.
Massachusetts MSL	Mineral Oil is listed.
New Jersey Dept. of Health RTK List	No ingredients listed.
Pennsylvania RTK	Mineral Oil is listed.

EU Labeling Classification

Preparation not classified.

Canada

This product does not meet WHMIS criteria for hazardous materials.

PIN:	Not applicable
Ingredients on Ingredient Disclosure List:	None
Ingredients with unknown toxicological properties:	None

Some hazardous ingredients listed in Section 15 are below OSHA's and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.

Section 16 Other Information**Beckman Coulter Safety
Rating****Flammability (Section V): 1**
Health (Section XI): 1
Reactivity with Water (Section X): 0
Contact (Section VIII): 1Code
0=none
1=slight
2=caution
3=severe

For further information, please contact your local Beckman Coulter representative.

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