

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Identifier: Jokisch S-91

ProductID (PIN):

Product Use: Tapping and Cutting Oil

Manufacturer's Name:

Jokisch GmbH

Supplier's Name:

Intercon Enterprises Inc.

11-7550 River Road

Delta, BC V4G 1C8

Canada

Germany

Tel:

Tel: 604 946 6066

Fax:

Fax: 604 946 5340

SECTION 2 - INGREDIENTS

Ingredients	%	CAS Number	LD50/LC50 of Ingredients
	0-2%	110-25-8	>2000 mg/kg oral (rats)
	2-7%	68937-41-7	
	20-40%	8002-13-9	

SECTION 3 - PHYSICAL DATA

Physical State: liquid

Odour & Appearance: oil odour, yellow oil

Odour Threshold (ppm): n.av.

Vapour Pressure (mm Hg): < 0.01 hPa

Vapour Density (AIR=1): n.av.

Evaporation Rate: n.av.

Boiling Point: n.av.

Freezing Point: -10C Method DIN ISO 30 16

pH: n.app.

Specific Gravity (g/ccm): 0.90 Method DIN 51 757

Coeff. Water/Oil Dist.: n.av.

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Yes but not under normal storage and handling conditions.

Means of Extinction: Foam, Halon, Dry Chemical, Do not use Water!

Flash Point: >180°C Method DIN ISO 2592

Upper Flammable Limit: n.av.

Lower Flammable Limit: n.av.

Auto Ignition Temperature: 320°C

Hazardous Combustion Products: CO_x SO_x

Explosion Data: upper limit 6.5 Vol.% lower limit 0.6 Vol.%

Sensitivity to Static Discharge: n.app.

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SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes
Incompatibility with Other Substances: No
Reactivity and Under What Conditions: n.app.
Hazardous Decomposition Products: n.app.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: eye contact
Effects of Acute Exposure: mild irritant when splashed in eyes
Effects of Chronic Exposure to Product: n.av.
Exposure Limits: n.av.
Irritancy of Product: mild irritant when splashed in eyes
Sensitization to Product: n.av.
Carcinogenicity: n.av.
Teratogenicity: n.av.
Reproductive Toxicity: n.av.
Mutagenicity: n.av.
Synergistic Properties: n.av.

Section 7 - PREVENTIVE MEASURES

Personal Protective Equipment:
Gloves (specify): n.app.
Respirator (specify): n.app.
Eye (specify): usually not necessary, safety glasses if danger of direct splashing
Footwear (specify): n.app.
Clothing (specify): oil soaked clothing should be removed
Other (specify):
Engineering Controls: local ventilation. Prevent the formation of oil fog
Leak & Spill Procedure: pick up with binding agent and treat as waste oil
Waste Disposal: dispose of according to Federal, Provincial & local regulations
Handling Procedure: apply manually or with pump system. Do not allow oil to enter ground water
Storage Requirements: keep container closed and avoid direct heat exposure
Special Shipping Information: none

Section 8 - FIRST AID MEASURES

Specific Measures:
Inhalation: if worker is overcome via misuse, bring person to fresh air, call physician
Ingestion: call physician, do not induce vomiting, and refer to MSDS
Eyes: rinse with plenty of water, call physician
Skin: general hygiene, skin protective ointment, wash with soap & water

Information: safety data from manufacturers of components and Jokisch GmbH
Certificates from the Pharmacological Institute, Hamburg University

SECTION 9 - PREPARATION DATE OF MSDS

Prepared By: Intercon Enterprises Inc.
Phone Number: 604 946 6066
Date: January 2008