

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Identifier: Jokisch NBK Concentrate **ProductID (PIN):**
Product Use: Water-soluble grinding fluid
Manufacturer's Name: Jokisch GmbH
Germany
Tel:
Fax:

Supplier's Name:
Intercon Enterprises Inc.
11-7550 River Road
Delta, BC V4G 1C8
Canada
Tel: 604 946 6066
Fax: 604 946 5340

SECTION 2 - INGREDIENTS

Ingredients	%	CAS Number	LD50/LC50 of Ingredients
	0-2%	55406-53-6	>2000 mg/kg oral (rats)
	0-2%	80584-88-9	
	0-2%	80584-89-0	
	0-2%	88477-37-6	
	0-2%	122-55-6	
	0-2%	2634-33-5	

SECTION 3 - PHYSICAL DATA

Physical State: liquid
Odour & Appearance: no odour, clear liquid
Odour Threshold (ppm): n.av.
Vapour Pressure (mm Hg): n.av.
Vapour Density (AIR=1): n.av.
Evaporation Rate: n.av.
Boiling Point: 100°C
Freezing Point: 0°C
pH: 8.3 @ 2.5% solution with water
Specific Gravity (g/ccm): 1.01 Method DIN 51 757
Coeff. Water/Oil Dist.: n.av.

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: No
Means of Extinction: Foam, Halon, Dry Chemical, Water
Flash Point: n.app.
Upper Flammable Limit: n.av.
Lower Flammable Limit: n.av.
Auto Ignition Temperature: none
Hazardous Combustion Products: none
Explosion Data: n.av.
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: none

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: eye contact, skin contact
Effects of Acute Exposure: mild irritant when splashed in eyes
Effects of Chronic Exposure to Product: may dry out skin during extended contact
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): rubber gloves when in extended direct contact with concentrate
Respirator (specify): n.app.
Eye (specify): usually not necessary, safety glasses if danger of direct splashing
Footwear (specify): n.app.
Clothing (specify): change wet clothes
Other (specify):
Engineering Controls: local ventilation
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 freezing
Special Shipping Information: may desire heated shipping during winter months

Section 8 - FIRST AID MEASURES

Specific Measures:
Inhalation: on suspicion of inhalation to lungs, immediately 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