

All information is related to the concentrate, unless otherwise noted.

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER JOKISCH W30F CONCENTRATE		PRODUCT IDENTIFICATION NUMBER (PIN)	
PRODUCT USE Watersoluble coolant, cutting agent and grinding fluid.			
MANUFACTURER'S NAME Jokisch GmbH		SUPPLIER'S NAME INTERCON ENTERPRISES INC.	
STREET ADDRESS Germany		STREET ADDRESS 11 - 7550 River Road	
CITY	PROVINCE	CITY	PROVINCE
		Delta	B.C.
POSTAL CODE	EMERGENCY TELEPHONE NO.	POSTAL CODE	EMERGENCY TELEPHONE NO.
		V4G 1C8	604 / 946-6066

SECTION 2 — HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS (This is an ingredients disclosure list only.)	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Highly refined paraffinic mineral oil	n.av.	n.av.		
Boric acid ester	n.av.	n.av.	LD ₅₀ of product	
Anionactive emulsifiers	n.av.	n.av.	(in concentrate)	n.app.
Additives	n.av.	n.av.	30,000mg/kg(rats)	
Stabilizers	n.av.	n.av.		
Contains NO: Nitrites, Sulfur, Phenols, Chlorine or chlorine derivatives, elements to build Nitrosamines, secondary amines, Silicone oils, Heavy metal soaps, Formaldehydes, Phosphour, Creosotes, Hydrazin or PCB, PCT, PCDD, PCDF.				

SECTION 3 — PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE no odour - Blue-Green transparent		ODOUR THRESHOLD (ppm) n.app.
VAPOUR PRESSURE 0.98 (mm Hg) at 20°C.	VAPOUR DENSITY (AIR=1) n.app.	EVAPORATION RATE n.av.	BOILING POINT(°C) n.app.
PH 8.8-9.2 at a 5% mix w/H ₂ O at 18°C.)	SPECIFIC GRAVITY 0.98 g/cm ³ at 20°C.	COEFF. WATER/OIL DIST. n.av.	FREEZING POINT(°C) 0°C / 32°F

SECTION 4 — FIRE AND EXPLOSION DATA

FLAMMABILITY YES ☐ NO ☒ IF YES, UNDER WHICH CONDITIONS?			
MEANS OF EXTINCTION n.app.			
FLASHPOINT (°C) AND METHOD n.app.	UPPER FLAMMABLE LIMIT (% BY VOLUME) n.app.	LOWER FLAMMABLE LIMIT (% BY VOLUME) n.app.	
AUTOIGNITION TEMPERATURE (°C) n.app.	HAZARDOUS COMBUSTION PRODUCTS n.app.		
EXPLOSION DATA	SENSITIVITY TO IMPACT n.app.	SENSITIVITY TO STATIC DISCHARGE n.app.	

SECTION 5 — REACTIVITY DATA

CHEMICAL STABILITY YES ☒ NO ☐ IF NO, UNDER WHICH CONDITIONS?	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES ☐ NO ☒ IF SO, WHICH ONES?	
ACTIVITY, AND UNDER WHAT CONDITIONS n.app.	
HAZARDOUS DECOMPOSITION PRODUCTS n.app.	

SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT ☒

SKIN ABSORPTION ☐

EYE CONTACT ☒

INHALATION ☒

INGESTION ☒

EFFECTS OF ACUTE EXPOSURE TO PRODUCT Non-Hazardous / Non-Toxic (refer to LD₅₀ value.)
No health risks when used at the recommended dilutions - (mixed with water.)

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT Non-Hazardous / Non-Toxic (refer to LD₅₀ value.)
No health risks when used at the recommended dilutions - (mixed with water.)

EXPOSURE LIMITS

IRRITANCY OF PRODUCT

SENSITIZATION TO PRODUCT

CARCINOGENICITY

n.app.

n.app.

n.app.

n.app.

TERATOGENICITY

REPRODUCTIVE TOXICITY

MUTAGENICITY

SYNERGISTIC PRODUCTS

n.av.

n.av.

n.av.

n.av.

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

Unnecessary

GLOVES (SPECIFY)

n.app.

RESPIRATOR (SPECIFY)

n.app.

EYE (SPECIFY)

n.app.

FOOTWEAR (SPECIFY)

n.app.

CLOTHING (SPECIFY)

n.app.

OTHER (SPECIFY)

personal hygiene

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS.)

Ventilation generally not necessary. (Local ventilation only in cases of oil fog.)

LEAK AND SPILL PROCEDURE

Collect with a binding agent, flush excess with water.

WASTE DISPOSAL

Dispose of according to Federal, Provincial, State and local regulations.

HANDLING PROCEDURES AND EQUIPMENT

None, under standard operating conditions. (Ensure use is at the recommended dilutions.) Do not allow oil to enter groundwater or sewerwater.

STORAGE REQUIREMENTS

Average room temperature. Avoid freezing.

SPECIAL SHIPPING INFORMATION

Non-classified goods - No special requirements.
(May desire heated shipping container during winter - to avoid freezing.)

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES

Emergency and First Aid Procedures: (relating to concentrate)
Inhalation: Inhalation to lungs - immediately call physician and refer to MSDS.

Ingestion: Immediately call physician - refer to LD₅₀

Eyes: Continuously flush with water for at least 10 minutes - consult with physician.

Skin: Standard hygiene.

EXTRA NOTE: Regarding acute exposure on skin as per the VI. Luxembourg 24 hour skin contact test (using New Zealand Albino rabbits) resulted in NO skin reaction.

Information Sources: Safety Data as per German (Gefstoff V, BGG1.I,S. 1470), as of August 26, 1986. Contains no cancer causing ingredients.

SECTION 9 — PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.)

Intercon Enterprises Inc.

PHONE NUMBER

504 / 946-6066

DATE

January 1, 2003