

MSDS Blasocut

PRODUCT IDENTIFICATION

Manufacturer: Blaser Swisslube, Inc.
31 Hatfield Lane
Goshen, NY 10524
USA

Emergency phone number USA: (845) 294-3200

Product name: Blasocut 2000 CF **Art. No. 875**
Blasocut 2000 CF SW **Art. No. 875SW**
Blasocut Kombi **Art. No. 883**
Blasocut Kombi SW **Art. No. 883SW**

HMIS ¹	
Health	0
Fire	1
Reactivity	0

Product type: Water-miscible mineral oil based metalworking fluid

Prepared by: OH & S Coordinator

Date of issue: June 17, 2005

Supersedes: Edition 2 of February 14, 2005

PRODUCT COMPOSITION

Blasocut 2000 CF and Blasocut Kombi are tested, non-hazardous mixtures (as defined by 29 CFR 1910.1200) of:

Ingredient:	%	CAS No:	Exposure Limit:
Severely hydrotreated mineral oil	40 - 70	64742-52-5	OSHA: 5mg/m ³
Emulsifiers	15 - 40	68608-26-4 61790-44-1 61791-12-6	-
Polar additives	2 - 7	61788-66-7 8016-28-2	-
Corrosion and fungi inhibitors	0.5 - 1		-
Odorant	< 0.1		-
Stabilizers:	<2		

Na-benzoate; 2,3-pentandiol, 2-methyl; 2-propanol, 1-phenoxy; Ca-acetate; alpha-Tocopherol; citric acid; tartaric acid; ascorbic acid; ascorbylpalmitate; oleylscarcosine; 1-hydroxyethyl-2-oleyl-imidazoline and glycerin

Blasocuts do not contain as an ingredient: chlorine, active sulfur, phosphorus, phenols, nitrites, formaldehyde or formaldehyde releasing substances, heavy metals (i.e. lead, mercury etc.), arsenic, PCB, PCT, TCDD or other dioxin related substances. Benzo(a)pyrene content less than 10 ppm (GC-MS method).

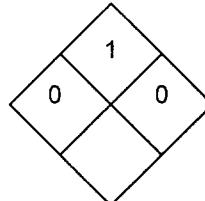
EMERGENCY & FIRST AID PROCEDURES

Skin contact:	Wash with plenty of soap and fresh water (good personal hygiene practices are sufficient). Remove any contaminated clothing and launder before reuse.
Eye contact:	Rinse with plenty of fresh water for 15 minutes. Consult physician if necessary.
Inhalation:	Remove to fresh air.
Ingestion:	<u>Do not induce vomiting; pulmonary aspiration hazard.</u> Consult a physician without delay. If involuntary vomiting occurs, keep airways clear; ensure that mouth is below hip level. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point: (COC):	<u>Art. 875:</u> 270°F (132° C) <u>Art. 883:</u> 266°F (130° C)
Auto ignition temperature:	572°F (300°C)
Explosion limits:	Not determined
Hazardous combustion products:	Oxides of carbon, nitrogen and traces of sulfur oxides
Products formed under abnormal conditions:	None
Fire fighting media:	CO ₂ , dry chemical, foam

NFPA 704¹



¹ See last page for explanations

MSDS Blasocut

FIRE & EXPLOSION HAZARD DATA - *continued* -

Special fire fighting procedures:	Wear self-contained breathing apparatus when fighting fires in confined spaces. Cool exposed containers with water mist to prevent pressure build-up.
Unusual fire or explosion hazards:	Not recommended for machining magnesium due to significant fire and explosion hazards; end user assumes all liability.

PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled:	Spills or leaks may cause slippery conditions. Contain spill and recover free product. Absorb remainder using oil-binding agents (such as 'Speedy Dry®'). Prevent material from entering surface waters, storm sewers or soils.
Waste disposal methods:	Split emulsion with absorbing agents, salts or ultra-filtration. Dispose according to all applicable federal, state and local regulations.
Precautions to be taken in handling/storing:	Avoid direct solar irradiation of concentrate containers.
Other precautions:	Do not store with strong oxidizers.

CONTROL MEASURES

Ventilation:	Ventilation sufficient to comply with recommended NIOSH exposure limit for metalworking fluids is suggested.
Respiratory protection:	Not generally required.
Protective gloves:	Not generally required. Impervious gloves recommended where prolonged or repeated contact cannot be avoided. Use caution when wearing gloves around moving machinery.
Eye protection:	Industrial safety glasses are recommended.
Other protective equipment or clothing:	Standard work clothing and shoes.
Work/hygienic practices:	Thorough personal hygiene and clean working practices are sufficient.

CHEMICAL & PHYSICAL PROPERTIES OF THE COMPLETE PRODUCT

Volatiles in %:	Nil
Vapor pressure:	Not volatile
Boiling point:	572°F (300°C)
Pour point:	-22°F (< -30°C)
pH value:	<u>Art. 875:</u> 8.9 - 9.2 @ 5% <u>Art. 883:</u> 9.0 - 9.3 @ 3%
Density:	<u>Art. 875:</u> 0.940 g/cm ³ <u>Art. 883:</u> 0.959 g/cm ³
Viscosity:	<u>Art. 875:</u> 122 mm ² /s @ 68°F (20°C) <u>Art. 875:</u> 36 mm ² /s @ 104°F (40°C) <u>Art. 883:</u> 165 mm ² /s @ 68°F (20°C) <u>Art. 883:</u> 50 mm ² /s @ 104°F (40°C)
Solubility in water:	Emulsifies
Appearance and odor:	Light brown liquid / pleasant odor (almonds)

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Avoid direct solar irradiation of concentrate containers. Good and safe housekeeping procedures suggest that all combustible materials be stored away from strong oxidizers.
Incompatibility (materials to avoid):	<u>Concentrate:</u> Strong oxidizers <u>End use dilutions:</u> Magnesium
Hazardous decomposition or by-products:	Oxides of carbon or nitrogen
Hazardous polymerization or by-products:	Will not occur

MSDS Blasocut

HEALTH HAZARD DATA

<i>LD₅₀ of concentrate:</i>	> 15 g/kg	
<i>Health hazards (acute/chronic):</i>	None	
<i>Skin irritation:</i>	Not determined	
<i>Eye irritation:</i>	Negative	
<i>Carcinogenicity:</i>	None	
<i>Routes of entry:</i>	<ul style="list-style-type: none">♦ Inhalation: Unlikely♦ Skin: No♦ Ingestion: Accidental only	
<i>Ames test:</i>	Negative	
<i>Signs and symptoms of exposure:</i>	None established	
<i>Medical conditions generally aggravated by exposure:</i>	Not established	
<i>OSHA regulated:</i>	No	
<i>WHMIS regulated:</i>	No	
<i>Exposure limits:</i>	<p><i>NIOSH Recommended exposure limit for Metalworking fluids:</i> 0.5mg/m³</p> <p><i>OSHA 29 CFR 1910.1000 for oil mist in air:</i> 5 mg/m³</p> <p><i>ACGIH: TLV for oil mist in air:</i> 5 mg/m³</p>	

The mineral oil used in Blasocut passes IP346 for DMSO extractable PNA. Benzo(a)pyrene content less than 10 ppm (GC-MS method).

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

NFPA Storage: III B

SARA Title III information:

♦ Immediate health (acute):	No
♦ Reactive hazard:	No
♦ Fire hazard:	No
♦ Delayed health (chronic):	No
♦ Sudden pressure release:	No

Blasocut does not contain any ingredients listed on the SARA Title III, Section 313 List or CERCLA List of Chemicals.

RCRA / Hazardous Waste: Blasocut, as sold, does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that they do not exhibit the characteristics of a hazardous waste of Subpart C, nor are they listed as a hazardous waste under Subpart D. It is the end user's responsibility to determine the regulatory status of the waste at the time of disposal.

TSCA: All ingredients of Blasocut are listed on the TSCA Chemical Substances Inventory.

Clean Air Act: Blasocut products do not contain nor are they manufactured with ozone depleting substances as defined in the Federal Clean Air Act Amendments of 1990, sections 602 and 611.

Canadian DSL / NDSL Information: All ingredients of Blasocut are listed on the Canadian DSL.

DOT: These products are not considered hazardous under current DOT regulations.

Spills: These products are classified as oil. Spills into or leading to surface waters that cause a sheen should be reported to the National Response Center at 1-800-424-8802.

MSDS Blasocut

	0	1	2	3	4
HMIS Ratings					
Health, Fire, Reactivity	Minimal	Slight	Moderate	Serious	Extreme
NFPA 704 Ratings (Under Fire Conditions)					
Health Hazard	Normal Material	Slightly Hazardous	Hazardous	Extreme danger	Deadly
Fire (Flash Point)	Will not Burn	>200°F	100-200°F	73-100°F	<73°F
Reactivity	Stable	Unstable if heated	Violent Chemical change	Shock and Heat may detonate	May detonate

Notice to Reader: Information presented in this MSDS has been compiled from sources considered to be dependable and is, to the best of Blaser Swisslube Inc. knowledge, accurate and reliable, but is not guaranteed to be so. The Data in this MSDS relates only to the specific material designated herein. Blaser Swisslube Inc. assumes no legal responsibility for the use or reliance upon these data. Since conditions of use are not under our control, Blaser Swisslube Inc. makes no warranty as to the results to be obtained in using this material and we must necessarily disclaim all liability with respect to the use of any material supplied by us.