

**MSDS Blasocut®**

**PRODUCT IDENTIFICATION**

**Manufacturer:** Blaser Swisslube Inc.  
31 Hatfield Lane  
Goshen, NY 10924

**Emergency phone number USA:** (845) 294-3200

**Product name:** **Blasocut BC35NF** **Art. 1351**

**Product type:** Water-miscible mineral oil based metalworking fluid

**Prepared by:** OH & S Coordinator

**Date of issue:** April 23, 2007

**Supersedes:** Edition 4 of June 20, 2005

HMIS III® <sup>1</sup>	
Health	0
Flamability	1
Physical Hazard	0
Personal Protection	A or B

**PRODUCT COMPOSITION**

Blasocut® BC35NF is a mixture of:

Ingredient:	%	CAS No.:	Exposure Limits:
Severely Hydrotreated Mineral Oil	50 – 70	64742-52-5	OSHA: 5mg/m <sup>3</sup>
Emulsifiers	20 - 30	68608-26-4 67701-22-8 68154-86-9	
Polar Additives	3 - 5	61788-66-7 68956-68-3	
Stabilizers and inhibitors Total	5 - 10		

*Stabilizers and Inhibitors: Corrosion and Fungi inhibitors; Ethanol, 2,2',2''-nitritoltris-; Sodium-benzoate; 2-phenoxyethanol -; Calcium-acetate; alpha-Tocopherol; citric acid; tartaric acid; ascorbic acid; ascorbylpalmitate; glycerin and Odorant.*

Blasocut® BC35NF **does not** contain as ingredients: 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.

**EMERGENCY and 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:** Do not induce vomiting; pulmonary aspiration hazard. Consult a physician without delay. If involuntary vomiting occurs, ensure that mouth is below hip level!

**FIRE and EXPLOSION HAZARD DATA**

**Flash Point (COC):** 313°F (156°C)

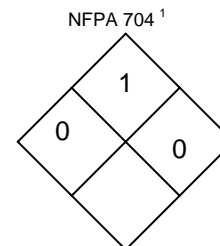
**Auto ignition temperature:** Not determined

**Explosion limits:** Not determined

**Hazardous combustion products:** Oxides of carbon, nitrogen and traces of sulfur oxides.

**Products formed under abnormal conditions:** None anticipated

**Fire fighting media:** CO<sub>2</sub>, dry chemical, foam



<sup>1</sup> See last page for explanations

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### FIRE & EXPLOSION HAZARD DATA – *continued* –

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

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### PRECAUTIONS FOR SAFE HANDLING AND USE

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<b>Steps to be taken in case material is released or spilled:</b>	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.
<b>Waste disposal methods:</b>	Split emulsion with absorbing agents, salts or ultra-filtration. Dispose according to all applicable federal, state and local regulations.
<b>Precautions to be taken in handling/storing:</b>	Avoid direct solar irradiation of concentrate containers.
<b>Other precautions:</b>	Do not store with strong oxidizers.

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### CONTROL MEASURES

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

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### CHEMICAL AND PHYSICAL PROPERTIES OF THE COMPLETE PRODUCT

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<b>Volatiles in %:</b>	Nil
<b>Vapor pressure:</b>	Not volatile
<b>Boiling point:</b>	Not determined
<b>Pour Point:</b>	-20°F (-29°C)
<b>pH @ 5% (after 24 hours):</b>	8.5 – 9.2
<b>Density:</b>	0.96 g/cm <sup>3</sup>
<b>Viscosity:</b>	57 mm <sup>2</sup> /s @ 104°F (40°C)
<b>Solubility in water:</b>	Emulsifies
<b>Appearance and odor:</b>	Light brown liquid / pleasant odor (almonds)

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### REACTIVITY DATA

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<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Avoid direct solar irradiation of concentrate containers. Good and safe housekeeping procedures suggest that all combustible materials be stored away from strong oxidizers.
<b>Incompatibility (materials to avoid):</b>	<u>Concentrate:</u> Strong oxidizers <u>End use dilutions:</u> Magnesium
<b>Hazardous decomposition or by-products:</b>	None anticipated
<b>Hazardous polymerization or by-products:</b>	Will not occur

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### HEALTH HAZARD DATA

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<b>LD<sub>50</sub> of concentrate:</b>	> 5 g/kg (calculated)	
<b>Health hazards (acute/chronic):</b>	Not established; not expected to be hazardous	
<b>Skin irritation:</b>	Not established; not expected to be irritating	
<b>Skin sensitizing:</b>	Not established; not expected to be sensitizing	
<b>Eye irritation:</b>	Not established; not expected to be irritating	
<b>Carcinogenicity:</b>	None of the ingredients are listed on IARC, NTP, or OSHA lists	
<b>Routes of entry:</b>	♦ Inhalation:	Unlikely
	♦ Skin:	Not readily absorbed through skin
	♦ Ingestion:	Accidental only
<b>Signs and symptoms of exposure:</b>	Not established	
<b>Medical conditions generally aggravated by exposure:</b>	Not established	
<b>OSHA regulated:</b>	No	
<b>WHMIS regulated:</b>	No	
<b>Exposure limits:</b>	<b>NIOSH Recommended exposure limit for Metalworking fluids:</b>	0.5 mg/m <sup>3</sup>
	<b>OSHA 29 CFR 1910.1000 for oil mist in air:</b>	5 mg/m <sup>3</sup>
	<b>ACGIH: TLV for oil mist in air:</b>	5 mg/m <sup>3</sup>

The mineral oil used in Blasocut passes IP346 for DMSO extractable PNA.

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### ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

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**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 40CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it 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 **does not contain nor is it 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:** This product is **not** considered hazardous under current DOT regulations.

**Spills:** This product is 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.

**RoHS:** This product conforms to the RoHS Directive in that the RoHS regulated materials are absent or their concentrations are significantly below regulatory thresholds.

**Animal products / byproducts:** This product does not contain any raw materials sourced from animal products or animal byproducts.

**MSDS Blasocut®**

HMIS III® Ratings	0	1	2	3	4
Health, Flamability, Physical Hazard	Minimal hazard	Slight hazard	Moderate hazard	Serious hazard	Severe hazard

There is a new generation of HMIS® being introduced, HMIS® III. This new system still uses colored bars and numeric hazard ratings, but instead of “reactivity” it uses “physical hazard” warnings, which are more in line with OSHA defined hazards. HMIS® III will provide employees the tools to understand and handle chemicals with a far greater degree of precision, thereby increasing the potential for the customer’s HazCom compliance.

The HMIS® III health criteria have been designed to be as compatible as possible with the definitions contained in ANSI Z129.176. They also reflect certain criteria accepted by NIOSH, U.S. EPA, and other organizations. Acute oral, dermal, and inhalation toxicity are rated on a five-tiered scale (0-4), generally with a tenfold difference. The new HMIS® III uses two boxes to indicate health hazards:

- The left box indicates if the chemical is a chronic or an acute hazard. An asterisk (\*) or other designation corresponds to additional information on data sheet or separate chronic effects notification.
- The right box is used to indicate the hazard rating number. Numeric ratings are based on acute toxicity and chronic health hazard data, either from internal company data or published information. The HMIS® III health criteria have been designed to be as compatible as possible with the definitions contained in ANSI Z129.176. They also reflect certain criteria accepted by NIOSH, U.S. EPA, and other organizations. Acute oral, dermal, and inhalation toxicity are rated on a five-tiered scale (0-4), generally with a tenfold difference between the levels.

Personal Protection Index:

- A: Safety glasses with side shields
- B: Safety glasses with side shields and impervious gloves (Viton, neoprene or other oil resistant material)

NFPA 704 Ratings (Under Fire Conditions)	0	1	2	3	4
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