

MSDS Blasocut

PRODUCT IDENTIFICATION

Manufacturer: Blaser Swissslube, Inc.
31 Hatfield Lane
Goshen, NY 10924
USA

Emergency phone number USA: (845) 294-3200

Product name: Blasocut BC40SW Art. No. 40018
Blasocut BC20SW Art. No. 40017

Product type: Water-miscible mineral oil based metalworking fluid

Prepared by: OH & S coordinator

Date of issue: June 20, 2005

Supersedes: Edition 3 of February 14, 2005

HMIS ¹	
Health	0
Fire	1
Reactivity	0

PRODUCT COMPOSITION

Blasocut BC40SW and BC20SW are mixtures of:

Ingredient	%	CAS No:	Exposure Limits:
Severely hydrotreated mineral oil	45 - 65	64742-52-5	OSHA: 5mg/m ³
Emulsifiers	30 - 50	68608-26-4	
		67701-22-8	
		68154-86-9	
Polar additives	1 - 5	8019-28-2	
		61788-66-7	
		61788-76-9	
Chlorinated paraffin (C ₁₆₋₂₀ , less than 50% chlorine)	5 - 15		
Stabilizers and inhibitors:	1 - 5		
Corrosion and fungi inhibitors: Na-benzoate; 2-propanol; 1-phenoxy; Ca-acetate; alpha-Tocopherol; citric acid; tartaric acid; ascorbic acid; ascorbylpalmitate; oleylscarcosine; 1-hydroxyethyl-2-oleyl-imidazoline, glycerin and odorant			

Blasocut BC40 SW and BC 20SW do not contain as ingredients: active sulfur, 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: Do not induce vomiting, pulmonary aspiration hazard. Consult a physician without delay. If involuntary vomiting occurs, ensure mouth is below hip level. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point (COC): 240°F (116°C)

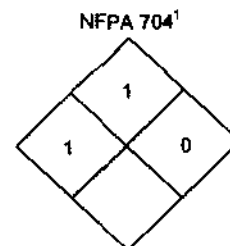
Auto ignition temperature: Not determined

Explosion limits: Not determined

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

Products formed under abnormal conditions: Thermal decomposition of the concentrate above 176°F (80°C) may produce trace amounts of HCl.

Fire fighting media: CO₂, dry chemical, foam



¹ See last page for explanation

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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:** Not applicable
- Pour point:** < -22°F (< -30°C)
- pH @ 5% after 24 hrs:** 8.9 - 9.2
- Density:** 40018: 0.98 g/cm³ 40017: 0.97g/cm³
- Viscosity:** 40018: 55 mm²/s @ 104°F (40°C) 40017: 53 mm²/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):** Concentrate: Strong oxidizers End use dilutions: Magnesium
- Hazardous decomposition or byproducts:** Thermal decomposition (concentrate) above 176°F (80°C): Trace amounts of HCl
- Hazardous polymerization or byproducts:** Will not occur

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HEALTH HAZARD DATA

LD₅₀ of concentrate:	> 5 g/kg	(calculated)
Health hazards (acute/chronic):	None	
Skin sensitizing:	Not expected to be sensitizing	
Eye irritation:	Not expected to be irritating	
Carcinogenicity:	None of the ingredients are listed in OSHA, NTP or IARC	
Routes of entry:	• Inhalation:	Unlikely
	• Skin:	Not readily absorbed through skin
	• Ingestion:	Accidental only
Signs and symptoms of exposure:	None established	
Medical conditions generally aggravated by exposure:	Not established	
OSHA regulated:	No	
Exposure limits:	NIOSH Recommended exposure limit for Metalworking fluids:	0.5 mg/m ³
	OSHA 29 CFR 1910.1000 for oil mist in air:	5 mg/m ³
	ACGIH: TLV for oil mist in air:	5 mg/m ³

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 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 and dispose of according to all applicable federal, state and local regulations.

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

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

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.

DOT: Blasocut 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.

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	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

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