

MSDS Blasocut 2000 Universal & Blasocut 4000 Strong, Art. 870 & 872

PRODUCT IDENTIFICATION

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

Emergency phone number USA: (914) 294-3200

Product name: Blasocut 2000 Universal Art. No. 870, 870LF, 870SW
Blasocut 4000 Strong Art. No. 872, 872LF

Product type: Water-miscible mineral oil based metalworking fluid

Prepared by: OH & S coordinator

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Supersedes: Edition 17 of 10/01/98

HMIS	
Health	0
Fire	1
Reactivity	0
Contact	0

PRODUCT COMPOSITION

Blasocut 2000 Universal & Blasocut 4000 Strong are a tested, non controlled (as defined by WHMIS), non-hazardous mixture (as defined by 29 CFR 1910.1200) of:

Ingredient	%	CAS No:
Severely hydrotreated mineral oil	45 - 65	64742-52-5
Emulsifiers	30 - 45	68608-26-4 61790-44-1 61791-12-6
Chlorinated paraffins (C ₁₆₋₂₀ , less than 50% chlorine)	5 - 15	61788-76-9
Polar additives	2 - 5	8016-28-2 61788-66-7
Corrosion and fungi inhibitors	0.5 - 1	
Odorant	< 0.1	
Stabilizers Total	< 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, glycerin and odorant

Blasocut 2000 Universal & Blasocut 4000 Strong **do not contain** as an ingredient: 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).

All ingredients of Blasocut 2000 Universal & Blasocut 4000 Strong are listed on the TSCA Chemical Substances Inventory and the Canadian DSL. Blasocut 2000 Universal & Blasocut 4000 Strong **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.

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 20 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, keep airways clear. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point: (COC): Art. 870: 270°F (132°C) Art. 872: 266°F (130°C)

Auto ignition temperature: 572°F (300°C)

Explosion limits: Not applicable

FIRE & EXPLOSION HAZARD DATA - continued -

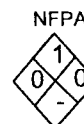
Hazardous combustion products: Oxides of carbon, nitrogen and traces of oxides of chlorine and sulfur, HCl.

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

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.

Fire fighting media: CO₂, dry chemical, foam

Unusual fire or explosion hazards: None

**PRECAUTIONS FOR SAFE HANDLING & USE**

Steps to be taken in case material is released or spilled: As with any other industrial lubricating oil, use oil-binding agents. Spills or leaks may cause slippery conditions. Prevent material from getting into storm sewers or surface waters.

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

Respiratory protection: Not generally required.

Ventilation: Normally general ventilation is sufficient.

Protective gloves: Not generally required.

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 @ 5%: 8.9 - 9.2

Specific gravity: Art. 870: 0.953g/cm³
Art. 872: 0.976g/cm³

Viscosity: Art. 870: 133mm²/S @ 68°F (20°C) Art. 870: 39mm²/S @ 104°F (40°C)
Art. 872: 140mm²/S @ 68°F (20°C) Art. 872: 42mm²/S @ 104°F (40°C)

Solubility in water: Yes

Appearance and odor: Light brown liquid / pleasant odor (almonds)

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Avoid direct solar irradiation of 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 byproducts:	Thermal decomposition (concentrate) above 176°F (80°C): Trace amounts of HCl.
Hazardous polymerization or byproducts:	Will not occur

HEALTH HAZARD DATA

LC₅₀ of concentrate:	>> 8.1g/m ³ (not determined for Art. 872)
LD₅₀ of concentrate:	> 15g/kg
Health hazards (acute/chronic):	None
Skin sensitizing:	Negative
Eye irritation:	Negative
Carcinogenicity:	None
Routes of entry:	<ul style="list-style-type: none">♦ Inhalation: Unlikely♦ Skin: No♦ Ingestion: Accidental only
Ames test:	Negative
Signs and symptoms of exposure:	None established
Medical conditions generally aggravated by exposure:	Not established
OSHA regulated:	No
WHMIS regulated:	No
Exposure limits:	OSHA regulation 29 CFR 1910.1000 established an exposure limit for oil mist in air. The applicability of this exposure limit to emulsions has not been established
OSHA 29 CFR 1910.1000 for oil mist in air:	5mg/m ³
ACGIH: TLV for oil mist in air:	5mg/m ³

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 2000 Universal & Blasocut 4000 Strong do not contain any ingredients listed on the SARA Title III, Section 313 List of Chemicals. Blasocut 2000 Universal & Blasocut 4000 Strong, as sold, do 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 enduser's responsibility to determine the regulatory status of the waste at the time of disposal.