

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

BP.09.500

Revision 15

## PRODUCT IDENTIFICATION

**MANUFACTURER:** BLASER SWISSLUBE INC.  
**ADDRESS:** 31 HATFIELD LANE  
GOSHEN NY 10924

**EMERGENCY PHONE NUMBER:** (914) 294-3200

**PRODUCT NAME:** BLASOCUT 2000 UNIVERSAL Art. No. 870/870 SW  
BLASOCUT 4000 STRONG Art. No. 872/872 SW

**PRODUCT TYPE:** Water Soluble Metal Working Coolant, Mineral Oil based

**PREPARED BY:** OH&S COORDINATOR  
**DATE OF ISSUE:** October 1, 1997  
**SUPERCEDES:** Rev #15 8/5/96

HMIS	
Health	0
Fire	1
Reactivity	0
Contact	0

## PRODUCT COMPOSITION

Blasocut is 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 <sub>16-20</sub> , 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 and Dye (technical grade of food dye)	<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; oleylsarcosine; 1-hydroxyethyl-2-oleyl-imidazoline and glycerin		

Blasocut DOES NOT CONTAIN as an ingredient phenols, nitrites, formaldehyde, or formaldehyde releasing substances, heavy metals (such as Lead, Mercury etc.), active sulfur, arsenic, PCB, PCT, TCDD or other Dioxin related substances. Benzo(a)pyrene content less than 10 PPM (GC-MS method).

All ingredients of Blasocut are listed on the TSCA Chemical Substances Inventory and the Canadian Domestic Substances List (DSL/LIS). 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.

## 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 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, ensure that mouth is below hip level!

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**FIRE and EXPLOSION HAZARD DATA**

Flash Point: > 334°F (Cleveland open Cup)

Auto Ignition Temperature: >572°F

Explosion limits: Not applicable

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 may produce trace amounts of HCl

Fire Fighting Media: CO<sub>2</sub>, dry chemical, foam

Special Fire Fighting Procedures: Wear self contained breathing apparatus when fighting fires in confined spaces.  
Cool exposed containers with water mist.

Unusual Fire or Explosion Hazards: none

NFPA



**PRECAUTIONS FOR SAFE HANDLING AND 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.

Waste Disposal Methods: Split emulsion with adsorbing 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 drums

Other Precautions: Do not store with strong oxidizers.

**CONTROL MEASURES**

Respiratory Protection: Not generally required

Ventilation: Normal general ventilation is sufficient

Protective Gloves: Not required

Eye Protection: Industrial Safety Glasses are recommended

Other Protective Equipment or Clothing: None required.

Work/Hygienic Practices: Thorough personal hygiene and clean working practices are sufficient

**CHEMICAL and PHYSICAL PROPERTIES of the COMPLETE PRODUCT**

Boiling point: 572°F

Specific Gravity: Art. 870 : 0.951g/cm<sup>3</sup>

Art 872: 0.976 g/cm<sup>3</sup>

Pour point -22°F

Solubility in water: emulsifies

Vapor pressure: Not volatile

pH @ 5% fresh: 8.9

Volatiles, %: nil

pH @ 5% after 24hrs.: 8.7

Appearance and odor: Art. 870/872 - Green liquid / pleasant odor (almonds)  
Art. 870 SW/872 SW - Light brown liquid / pleasant odor (almonds)

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**REACTIVITY DATA**

**Stability:** Stable.

**Conditions to Avoid:** Avoid direct solar irradiation of drums. 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: Trace amounts of HCl

**Hazardous Polymerization or Byproducts:** Will not Occur

**HEALTH HAZARD DATA**

Blasocut has been extensively tested as a whole for it's health hazards:

**LD50 of concentrate:** >15g/kg      **LC50 (Art. 870):** » 8.1g/m<sup>3</sup> (Inhalation)

**Eye Irritation:** Negative

**Skin Sensitizing:** Negative      **Ames Test:** Negative

Copies of the actual tests conducted by independent laboratories are available for inspection on request.

<b>Routes of Entry:</b>	<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
	Unlikely	No	Accidental only
<b>Health Hazards (Acute/Chronic):</b>	None/None	<b>Carcinogenicity:</b> None	<b>OSHA Regulated:</b> No
<b>Signs and Symptoms of Exposure:</b>	None established		<b>WHMIS Regulated:</b> No
<b>Medical Conditions Generally Aggravated by Exposure:</b> Not established			

**EXPOSURE LIMITS:**

OSHA regulation 29 CFR 1910.1000 establishes an exposure limit for Oil Mist in Air. The applicability of this exposure limit to emulsions has not been established.

<b>OSHA 29 CFR 1910.1000 for Oil Mist in Air:</b>	5mg/m <sup>3</sup>
<b>ACGIH:TLV for Oil Mist in Air:</b>	5mg/m <sup>3</sup>

**ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION**

**NFPA STORAGE:** III B

**SARA TITLE III INFORMATION:**

<b>IMMEDIATE HEALTH (Acute):</b> No	<b>REACTIVE HAZARD:</b> No	<b>FIRE HAZARD:</b> No
<b>DELAYED HEALTH (Chronic):</b> No	<b>SUDDEN PRESSURE RELEASE:</b> No	

Blasocut does not contain any ingredients listed on the SARA Title III, Section 313 List or CERCLA List of Chemicals. 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 enduser's responsibility to determine the regulatory status of the waste at the time of disposal.