

MSDS Vasco

PRODUCT IDENTIFICATION

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

Emergency phone number: (845) 294-3200

Product name: **Vasco 1000 Art. No. 2800**

Product type: Water-miscible vegetable oil based metalworking fluid

Prepared by: OH & S Coordinator

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Supersedes: Edition 2 of March 16, 2005

HMIS ¹	
Health	1
Fire	1
Reactivity	0

PRODUCT COMPOSITION

Vasco 1000 is a mixture of vegetable oils, emulsifiers and inhibitors. None of the ingredients are subject to exposure limits:

Ingredient	%
Food grade vegetable oil	45 – 60
Emulsifiers	25 – 45
Polar and EP Additives	7 – 10

Vasco 1000 **does not contain** as an ingredient: mineral oil, chlorinated additives, phenols, nitrites and/or nitrate releasing agents, boron, diethanolamine, NDELA, heavy metals (i.e. lead, mercury etc.) arsenic, PCB, PCT, TCDD or other dioxin related substances.

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 laundry 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, keep airways clear; ensure that head is below hips. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point (COC): 356°F (180°C)

Auto ignition temperature: Not determined

Explosion limits: Not determined

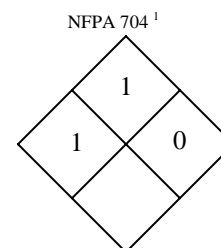
Hazardous combustion products: Oxides of carbon, nitrogen and traces of oxides of sulfur and phosphorus.

Products formed under abnormal conditions: None

Fire fighting media: CO₂, dry chemical, foam

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.



¹ See last page for explanations

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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 and soils.
Waste disposal methods:	Dispose according to all applicable federal, state and local regulations.
Precautions to be taken in handling/storing:	Avoid direct solar irradiation of concentrate containers. Do not store below 39°F (4°C).
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:	Impervious gloves recommended where prolonged or repeated contact cannot be avoided. Use extreme care 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 %:	Not volatile
VOC:	Nil
Vapor pressure:	Not volatile
Boiling point:	> 390°F (200°C)
Pour point:	12.2°F (-11°C)
pH @ 5% (after 24 hours):	8.6 - 9.0
Density:	0.95 g/cm ³
Solubility in water:	Emulsifies
Viscosity:	150 mm ² /s @ 68°F (20°C) 60 mm ² /s @ 104°F (40°C)
Color of liquid:	Brown

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Avoid direct solar irradiation of containers. Do not store below 39°F (4°C). 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:	None
Hazardous polymerization or by-products:	Will not occur

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HEALTH HAZARD DATA

LD₅₀ of concentrate:	> 5 g/kg (calculated)
Health hazards (acute/chronic):	Not established, none expected under normal use conditions
Skin irritation:	Negative
Eye irritation:	Negative
Carcinogenicity:	None of the ingredients are listed on OSHA, IARC, NTP or other lists of carcinogenic ingredients
Routes of entry:	♦ Inhalation: Possible ♦ Skin: Not likely to be absorbed through skin ♦ Ingestion: Accidental only
Signs and symptoms of exposure:	None established, none expected under normal use conditions
Medical conditions generally aggravated by exposure:	Not established, none expected under normal use conditions
OSHA regulated:	No
WHMIS regulated:	No
NIOSH recommended exposure limit for Metalworking Fluids	0.5 mg/m ³

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

NFPA Storage: III B

SARA Title III information:

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

SARA notification under 40 CFR part 372: This notification must not be detached from the MSDS and any copying and redistribution of this MSDS must include this notice, as required by 40 CFR part 372: Vasco 1000 contains a zinc compound that is reportable under SARA Title III, Section 313:

Zinc compound: ~15.3 lbs per drum

RCRA / Hazardous Waste: Vasco, 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 Vasco are listed on the TSCA Chemical Substances Inventory.

Clean Air Act: Vasco **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 Vasco 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.

California Prop 65: WARNING! This product contains trace amounts of the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm: formaldehyde

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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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