

MSDS Vascoclean

PRODUCT IDENTIFICATION

Manufacturer: Alex C. Fergusson, Inc.
5000 Letterkenny Rd, Suite 220
Chambersburg, PA 17201
USA

Emergency phone number USA: (610) 647-3300; (845) 294-3200 or (845) 551-1192

Distributor: Blaser Swissslube Inc., Goshen, NY 10924

Product name: **Vascoclean Art. No. 4316**

Product type: System cleaner

Prepared by: OH & S Coordinator

Date of issue: April 23, 2007

Supersedes: Edition 4 of April 7, 2005

HMIS III® ¹		
Health	*	2
Flamability		0
Physical Hazard		0
Personal Protection		D

PRODUCT COMPOSITION

Hazardous components	CAS No.	%	OSHA PEL	ACGIH TLV	Hazard data
Sodium Metasilicate Pentahydrate (Disodium Trioxosilicate Pentahydrate)	6834-92-0	5	None established	None established	Skin and Eye Irritant
Dipropylene Glycol methyl ether	34590-94-8	5	100 ppm	100 ppm	Eye & URT irritation; *CNS impairment
1,2-benzisothiazolin-3-one	2634-33-5	<1	None established	None established	Skin and Eye irritant

The specific chemical identities of the non-hazardous ingredients in this product are being withheld as a "trade secret".

EMERGENCY & FIRST AID PROCEDURES

Eye contact: Immediately flush eyes with a direct stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention immediately.

Skin contact: Flush thoroughly with cool water under a shower while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention as soon as possible.

Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth-to-mouth resuscitation. Get medical attention immediately.

Ingestion: Never give anything by mouth to an unconscious person. **If swallowed, do not induce vomiting.** Give large quantities of water or milk. If vomiting occurs spontaneously, keep airway clear and give more water. Get medical attention immediately.

FIRE & EXPLOSION HAZARD DATA

Flash point (COC): Not combustible

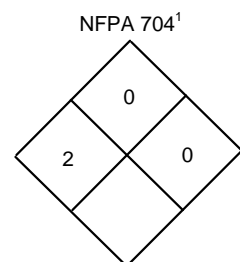
Explosion limits: Not applicable

Fire fighting media: Use extinguishing media appropriate for surrounding materials

Hazardous combustion products: Not applicable

Special fire fighting procedures: If product is involved in fire, firefighters should wear self-contained breathing apparatus and full protective clothing.

Unusual fire or explosion hazards: None



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:	Wear appropriate respirator and protective clothing. Do not flush to sewer. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material. Place in non-leaking containers for proper disposal. Neutralize any remaining traces of product with dilute acid and then wash spill area well with large quantities of water.
Waste disposal methods:	Package, store, transport and dispose of all product waste according to all applicable federal, state and local regulations for alkaline cleaners.
Precautions to be taken in handling/storing:	Keep container closed when not in use. Use with adequate ventilation.
Other precautions:	Prevent material from entering surface waters, storm sewers and soils.

CONTROL MEASURES

Ventilation:	Use adequate local exhaust ventilation where mist or vapors may be generated.
Respiratory protection:	Wear a NIOSH/MSHA approved respirator following manufacturer's recommendations, where product mist may be generated.
Protective gloves:	Rubber or neoprene gloves are recommended.
Eye protection:	Chemical safety goggles and full face shield are recommended. Do not wear contact lenses while handling this product.
Other protective equipment or clothing:	Eye wash facility, shower, coveralls.
Work/hygienic practices:	Avoid repeated and prolonged contact. Wash thoroughly with soap and water after handling. Use with adequate ventilation.

CHEMICAL & PHYSICAL PROPERTIES OF THE COMPLETE PRODUCT

Vapor Density:	Not determined
Vapor pressure:	Not determined
Boiling point:	220°F (104°C)
Melting point:	Not applicable
Density:	1.13 g/cm ³
Soluble in water:	Yes
pH	Concentrate: 13.4 1% Solution 11.5
Appearance and odor:	Dark brown-green liquid, distinct odor
Evaporation Rate:	Not determined

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	None known
Incompatibility (materials to avoid):	Acids, strong oxidizing agents
Hazardous decomposition or byproducts:	None known
Hazardous polymerization or byproducts:	Will not occur

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HEALTH HAZARD DATA

Routes of entry:	♦ <i>Inhalation:</i> Yes ♦ <i>Ingestion:</i> Yes ♦ <i>Skin:</i> Yes
Health hazards acute:	♦ <i>Inhalation:</i> Inhalation of product vapor or mist may cause coughing, sneezing or other symptoms of upper respiratory tract irritation and may result in lung tissue damage due to corrosive effects. ♦ <i>Ingestion</i> Can cause severe burns to the mucous membranes of the digestive tract. Toxic by ingestion. ♦ <i>Skin:</i> Contact may cause burns and tissue destruction. Exposure can cause burns, which are not immediately painful or visible. ♦ <i>Eyes:</i> *Overexposure will cause severe burns and potential permanent damage.
Health hazards chronic:	♦ <i>Eyes:</i> *Overexposure will cause severe burns and potential permanent damage.
Carcinogenicity:	None known
Signs and symptoms of exposure:	May cause burns or irritation of eyes, skin and respiratory tract. Inhalation may cause respiratory tract irritation.
Medical conditions generally aggravated by exposure:	Dermatitis
OSHA regulated:	Corrosive
WHMIS regulated:	E, corrosive

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

VOC Content: 48g/l or 0.40 lbs/gallon

SARA Title III information:

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

Vascoclean does not contain any ingredients listed on the SARA Title III, Section 313 List of Chemicals.

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

Clean Air Act: Vascoclean 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 Vascoclean are listed on the Canadian DSL.

DOT: NA1760 / Compounds, Cleaning Liquid, (Disodium Trioxosilicate, Pentahydrate) PG: III / Hazard class: 8, corrosive / Label: Corrosive

Dipropylene Glycol methyl ether, CAS No. 34590-94-8 is found on the following State Lists:

Florida Toxic Substance: Listed as a toxic substance by the state of Florida.

Massachusetts Haz. Substance codes: 2,4 F8

Pennsylvania Haz. Substance code: --

Minnesota Haz. Substance: Codes: AO **Hazards:** -- **Carcinogen:** No

Washington Air Contaminant: TWA (ppm): 100 - TWA (mg): 600 - STEL (ppm): 150 - STEL (mg): 900 -

WA Skin: Protective measures should be taken to prevent or reduce skin absorption.

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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:

D: Face shield and eye protection, gloves and apron

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

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