

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Sapphire Scientific VersaClean
Formula Code	FLCEPCXX
Supplier	Sapphire Scientific 2604 Liberator Prescott, AZ 86301 Phone: 1-800 932-3030 Emergency: 1-800 535-5053

2. Hazards Identification

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Vapors and mists can be harmful to the nose, throat, and mucous membranes.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE EYES - Vapors, liquid, and mists are irritating. Liquid and mists may damage the eyes. SKIN - Vapor, liquid, and mists are irritating to skin. Prolonged exposure may burn the skin.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Skin absorption risks unknown.
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Swallowing large quantities may cause nausea and vomiting.
HEALTH HAZARDS (ACUTE AND CHRONIC): May be very irritating to the eyes on contact.
CARCINOGENICITY: The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None reported.

3. Composition / Information on Ingredients

Chemical Name/Common Name:
NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT
No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.
This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

4. First Aid Measures

INHALATION:	Remove to fresh air. Give artificial respiration if not breathing.
EYES:	Flush immediately with lots of running water for at least 15 minutes holding eye lids open. GET MEDICAL ATTENTION.
SKIN:	Immediately flush skin with lots of running water for at least 15 minutes. Remove contaminated clothing and shoes.
INGESTION:	Drink 1 to 8 glasses of water to dilute. DO NOT INDUCE VOMITING. Consult a physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

5. Fire Fighting Measures

Flash Point (C.O.C.):	None
Extinguishing Media:	CO2, dry chemical, water fog
Special Fire Fighting Procedures:	Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.
Unusual Fire and Explosion Hazards:	Extinguish all nearby sources of ignition since flammable hydrogen gas may be liberated from contact with some metals.

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills dilute with water, mop or wipe up and contain. For large spills, contain by diking with absorbent material and carefully neutralize with a mild acid. Keep material out of sewers, storm drains, surface waters, and soil.

WASTE DISPOSAL METHOD: Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

7. Handling and Storage

Store in a dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Store at temperatures above the solutions freezing point to remain liquid. Do not use pressure to empty container.

OTHER PRECAUTIONS: Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

8. Exposure Controls/ Personal Protection

RESPIRATORY PROTECTION:	In the absence of adequate ventilation an approved respirator may be required.
VENTILATION:	Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure to chemical vapors.
PROTECTIVE GLOVES:	Wear resistant gloves such as polyethylene or rubber.
EYE PROTECTION:	Chemical splash goggles should be worn during application of this product.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.
WORK / HYGIENIC PRACTICES:	Standard hygienic practices must be observed when handling all chemicals.

9. Physical and Chemical Properties

Boiling Point:	(F) 212	Specific Gravity:	(H ₂ O = 1.11)
Vapor Pressure (mm/Hg)	Not Determined	Vapor Density:	Heavier than air
Solubility In Water:	Complete	pH of concentrate:	9.0 – 10.0
		pH of RTU	8.0 – 8.5
Evaporation Rate (vs. ether)	Slower than water	Appearance and Odor:	Liquid, non-viscous, faint sweet odor

10. Stability and Reactivity

Stability:	Stable
Incompatibility:	Acids, strong oxidizers, many organic chemicals, and organic acids.
Hazardous Decomposition Products:	None
Hazardous polymerization:	Will not occur

Other information:

HMIS Ratings: Health Hazard: 1 Fire Hazard: 0 Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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