

Material Safety Data Sheet

Complete D 25-OH Vitamin D Control

Date prepared/revised: March 20, 2013 Revision # 01



1. Product and Company Identification

Material name: Complete D 25-OH Vitamin D Control
Revision date: 3-20-2013
Version #: 001
CAS #:
Product code: 1291-31, 1292-31
Product use: Laboratory quality control material.
Synonyms:
Manufacturer/Supplier: Quantimetrix
2005 Manhattan Beach Boulevard
Email: techsupport@quantimetrix.com
(310) 536-0006
Telephone: (760) 476-3962 (Access Code: 333372)
Emergency:

2. Hazards Identification

Physical state: liquid
Appearance: amber liquid
Emergency overview
OSHA regulatory status
Potential health effects
Routes of exposure
Eyes: May cause mild irritation
Skin: May cause mild irritation
Inhalation: No known inhalation hazard.
Ingestion: Contains human source material. May cause gastrointestinal irritation and other adverse effects.
Target organs
Chronic effects
Signs and symptoms: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Potential environmental effects

3. Composition / Information on Ingredients

Components	CAS #	Percent
Human Serum	N/A	95%

Compositions comments: All concentrations are in percent by weight unless ingredient is a gas.

4. First Aid Measures

First aid procedures
Eye contact: In case of contact with eyes, flush with copious amount of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Skin contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.
Notes to physician
General advice: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties: This product is not flammable or combustible.
Extinguishing media
Suitable extinguishing media: Extinguish with foam, carbon dioxide, or dry powder.
Unsuitable extinguishing media
Protection of firefighters
Specific hazards arising from the chemical
Protective equipment and precautions for firefighters
Fire fighting equipment/instructions
Specific methods: In the event of fire and/or explosion, do not breathe fumes.

6. Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes. Wear suitable protective clothing. For personal protection, see section 8 of the MSDS.
Environmental precautions: Do not discharge into drains, water courses or onto the ground. Stop leak if possible without any risk.
Methods for cleaning up: Dike the spilled material, where this is possible. Collect and dispose of spillage as indicated in section 13 of the MSDS.

7. Handling and Storage

Handling: Use local exhaust ventilation.
Storage: Caution: Contains human source material. Store and handle according to package insert directions. Handle as if potentially infectious. Inhalation and skin contact with this product may cause sensitization.

8. Exposure Controls/Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Safety shower and eyewash.
Personal protective equipment	Safety goggles, gloves, and lab coats.
Eye / face protection	Wear approved safety goggles.
Skin protection	Wear appropriate chemical resistant clothing to prevent any possibility of skin contact.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.
General hygiene considerations	Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Appearance	
Color	Amber liquid.
Odor	Odorless.
Odor threshold	
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	May cause discomfort if swallowed.
Local effects	May cause skin and eye irritation.
Sensitization	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
Chronic effects	No data available.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Mutagenicity	No data available.
Reproductive effects	No data available.
Symptoms and target organs	Contact may cause irritation with redness, tearing and pain.
Further information	No other specific acute or chronic health impact noted.

12. Ecological Information

Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms.
Persistence and degradability	The product is not readily biodegradable.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	None known.

13. Disposal Considerations

Disposal instructions	
Waste from residues / unused products	Dispose of as if potentially infectious.
Contaminated packaging	Wear protective Clothing and gloves. Absorb spilled liquid with appropriate materials. Rinse area with soap and water solution. Disinfect with bleach diluted 1:10 with water. Rinse area with water.

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14. Transport Information

DOT Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
IMDG Not regulated as dangerous goods.
TDG Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
This product is not hazardous according to OSHA 29CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
Not regulated.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)
CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories:

Immediate Hazard – No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard – No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)
Section 311/312 (40 CFR 370)
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)
Canadian regulations

No
No
Not controlled
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
Non-controlled

WHMIS status

Inventory status

Country(s) or region

United States & Puerto Rico

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Inventory name	On inventory (yes/no)*
Toxic Substances Control Act (TSCA) Inventory	Yes

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

HMIS® ratings

Health: 1
Flammability: 0
Physical hazard: 0
Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Revision date

The information in the sheet was written based on the best knowledge and experience currently available.
09-06-2012