

Aurora Pharmaceutical, Inc.

MATERIAL SAFETY DATA SHEET

Section I – Product Identification			
Product Name or Identity:	ORAL PRO - Vitamin D3 <i>plus</i> E		
Manufacturer's Name:	Aurora Pharmaceutical, LLC	Emergency Phone No.	888-863-9376
	1196 S Hwy 3	Fax No.:	507-650-7250
	Northfield, MN 55057	Item number:	10-059
Date Prepared or Revised: July 23, 2013			
Chemical Family: Mixture			
Formula:	Solution		
Hazard Classification:	Combustible		
HMS Rating System:	Health - yes /Flammability - yes		

Section II – Hazardous Ingredients / Identity Information			
Ingredient	CAS#	TLV-TWA	Percent
Cholecalciferol	67-97-0		40,000 IU/G
Tocopheryl Acetate	7895-91-2		100 IU/G
Propylene glycol	57-55-6		<15
Ethyl lactate	97-64-3		<10
Emulsifiers/Dispersants	Confidential		Balance

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE=not established.

Section III – Physical Characteristics	
Boiling Point: NA	Specific Gravity (H ₂ O = 1): 0.98 at 20C (68F)
Vapor Pressure (mm Hg.): NA	Percent Volatile:
Vapor Density (AIR = 1):	Evaporation Rate (Butyl Acetate = 1):
Solubility in Water: Miscible	
Appearance and Odor: Light yellow, oily liquid, characteristic odor	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): 63C (145F)	Explosion Limits:
Extinguishing Media: Dry chemical, foam, water, CO ₂	
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.	
Unusual Fire and Explosion Hazards: Close containers may rupture due to buildup of pressure when exposed to extreme heat.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Combustible materials, heat, open flame, sparks
	Stable	x	This material is stable under normal handling and storage conditions.
Incompatibility (<i>Materials to Avoid</i>): Strong bases, strong acids, strong oxidizing agents			
Hazardous Decomposition or Byproducts: Oxides of carbon			
Hazardous Polymerization	May Occur		Conditions to Avoid: NA
	Will Not Occur		

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation: Vapor can cause respiratory tract irritation, intoxication and loss of coordination	Skin: Low acute dermal toxicity. Liquid or vapor can cause irritation and redness on prolonged contact.	Ingestion: Toxic if ingested. Ingestion of large quantities may cause vomiting, diarrhea and headache.
			Eyes: Contact with liquid or vapor can cause irritation and redness.
Health Hazards (<i>Acute and Chronic</i>)	Combustible liquid. Toxic if swallowed. Eye, skin and respiratory tract irritant. This product is a feed additive and diet supplement. Over dosage can have serious health effects.		
Carcinogenicity: (National Toxicology Program)	(International Agency for Research in Cancer)	OSHA Regulated?	
Signs and Symptoms of Exposure: SINGLE OVEREXPOSURE INGESTION: If swallowed, if victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended. SKIN CONTACT: Low acute dermal toxicity. Liquid or vapor can cause irritation and redness on prolonged contact. Wash with plenty of soap and water. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes before re-use. INHALATION: Vapor can cause respiratory tract irritation, intoxication and loss of coordination. If breathing is difficult seek medical attention. EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.			
Medical Conditions Generally Aggravated by Exposure: Adverse effects may arise if taking anticoagulants, colestipol, cholestyramine, mineral oil, oral contraceptives, Vitamin A therapy, Vitamin E therapy. WARNING: See above			
Emergency / First Aid Procedures	Ingestion: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.		
	Inhalation: If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.		
	Eye Contact: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.		

	Skin Contact: Wash with plenty of soap and water. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes before re-use.
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Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: CONTAINMENT: Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Waste Disposal Method: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from Federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Handling and Storage: Store at < 63C (<145F). Rinse containers before disposal.

Other Precautions: Evacuation procedure and safety- Wear appropriate protective gear for the situation. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards.

EPA Hazardous Waste = Yes

EPA RCRA Hazardous Waste Codes: "I" - Ignitable

Section VIII – Control Measures

Respiratory Protection (Specify Type: Avoid breathing vapors. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring. When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with regulatory standards and/or industrial recommendations. Air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against organic vapors is recommended.

Ventilation	Local Exhaust:	Special:
	Mechanical (General):	Other:

Protective Gloves: Skin contact should be minimized through the use of glove and suitable long-sleeved clothing

Eye Protection: A minimum of safety glasses with side shields is recommended.

Other Protective Clothing or Equipment:

Work / Hygienic Practices: Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with this material.

Section IX – Transportation Information

DOT: Ethanol Solutions UN1170.3 PG II
ID#: HA 1994
Shipping Name: Combustible liquid, n.o.s.

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