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**SECTION 1: IDENTIFICATION**

**Effective Date:** 7/21/95

**Product Name:** VITAMIN D3 OIL

**Chemical Formula:** > 97% corn oil, < 3% cholecalciferol (vitamin D3)

**CAS No.:** 8001-30-7; 67-97-0

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**SECTION 2: HAZARDOUS INGREDIENTS:**

May cause birth defects based on animal data.

Acute Effects: Material has not been tested as a whole, so information described below is based on one or more of its ingredients. May cause skin reactions such as cracks in lips and around mouth, dry skin, skin peeling, itching and redness of the skin. May cause gastrointestinal effects such as nausea, vomiting, diarrhea, constipation, cramps, and loss of appetite. May cause renal system effects such as urine retention, increase or decrease in urine production, painful urination, and presence of blood in urine.

May cause skin irritation. May increase blood calcium levels. May cause calcification (hardening) of soft tissue. May cause decalcification of bony tissue.

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**SECTION 3: PHYSICAL DATA**

**Physical Data:**

Appearance and Odor:	liquid, clear yellow, slight odor
Shelf life:	12 months
Sensitivity:	to heat, light, air
Viscosity:	50.0 centipoise
H2O solubility:	insoluble
Solubility - other:	miscible with edible oils and fats; soluble in ether, hydrocarbons and chlorinated hydrocarbons; soluble in alcohol
slightly	
Specific gravity:	0.950

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	water, carbon dioxide, dry chemical, foam
Fire Fighting Procedures:	Wear NIOSH/MSHA approved positive pressure, self contained breathing apparatus and full protective turn out gear. Use caution in approaching fire. Use water to fire exposed containers cool.
keep	
Unusual Fire and Explosion Hazards:	Toxic emission may be given off in a fire. See decomposition products.

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**SECTION 5: REACTIVITY DATA**

**Conditions to Avoid:**

normally stable even under fire exposure conditions and not water reactive

**Incompatibilities:**

oxidizing agents, oxygen, acid chlorides, acid anhydrides

**Decomposition products:**

carbon dioxide, carbon monoxide

**Polymerization:** will not occur

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**SECTION 6: HEALTH HAZARD DATA**

**Threshold Limit Value (TLV):**

n/a

**Permissible Exposure Limit:** n/a

**Toxicity:**

acute oral, single dose, rat: 42.0 mg/kg  
Irritation eye, single dose, rabbit: practically non-irritating to the eyes of rabbits under the study conditions utilized  
Irritation skin, single dose, rabbit - slightly to skin of rabbits  
Teratogenicity oral, rabbit - rabbits given this

material

during pregnancy produced offspring with abnormalities of the aorta and abnormalities of the head, face, and teeth. Although these studies suggest that this material produces structural malformations, the relationship between excessive exposure to this material during pregnancy and the facial/dental abnormalities associated with supra-aortic stenosis syndrome in humans is not conclusive.

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Review sections 2 & 10. Shut off source of spill or leak if safe to do so. Absorb small spills with absorbent material. Dike large spills and pump into metal drums or absorb with absorbent material. Put saturated absorbent material into suitable labeled open head drum, Secure drum cover and move container to safe holding area.

**Disposal:** Dispose of protective clothing with spilled material. Material is suitable for incineration. These recommendations are based on the product as shipped. Use, processing, alteration or contamination may affect disposal recommendations. State, local or site restrictions affecting proper disposal options may vary.

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**SECTION 8: FIRST AID PROCEDURES**

**First Aid:**

**Eyes:** Immediately flush eyes with plenty of water. If irritation occurs or persists, get medical attention.

**Skin:** Remove contaminated clothing and shoes. Wash skin with soap and plenty of water. If irritation occurs or persists, get medical attention. Wash clothing and shoes before

reuse.

**Inhalation:** Remove to fresh air. If discomfort occurs or persists, get medical attention. If not breathing, give artificial respiration.

**Ingestion:** Get medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

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**SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

**Other Precautions:** Store at below 25°C. Keep away from heat, sparks, and flame. Keep away from contact with clothing and other combustible materials. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. When handling, use proper personal protective equipment. Wash thoroughly after handling. Keep container tightly closed when not in use. Store out of direct sunlight in a cool, well ventilated area. Store under inert atmosphere in light resistant containers.

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**SECTION 10: SPECIAL PROTECTION INFORMATION**

**Ventilation:** General room ventilation is adequate unless the process generates mist or vapor.

**Eye Protection:** splash glasses

**Protective Gloves:** rubber or plastic

**Respiratory Protection:** not necessary under normal conditions unless ventilation is lacking  
**Other Protective Gear:** lab coat; eyewash and safety shower

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**SECTION 11: TRANSPORT INFORMATION**

**DOT classification:** not regulated

**DOT pictograms:**