

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 9/26/97
Product Name: VITAMIN K1
Common Name: phytonadione; 3-phythylmenadione
Chemical Formula: C₃₁H₄₆O₂
CAS No.: 84-80-0

SECTION 2: HAZARDOUS INGREDIENTS:

Slightly dangerous to dangerous in case of eye contact (irritant), of ingestion, of inhalation. Substance is toxic to mucous membranes. It also passes through placental barrier in animal.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	liquid
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	0.967
Solubility in water:(by weight)	insoluble in cold water
Melting Point:	-20°C (-4°F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	dry chemicals, CO ₂ ,water spray, or foam; Do not use water jet.
Unusual Fire and Explosion Hazards:	n/a
Flammability:	combustible

SECTION 5: REACTIVITY DATA

Stable <u> </u> <u> X </u> <u> </u>	Unstable <u> </u> <u> </u> <u> </u>
Conditions to Avoid:	n/a
Incompatibilities:	n/a
Hazardous Decomposition or byproducts:	Products are carbon oxides.
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Permissible Exposure Limit: n/a
Toxicity: acute oral toxicity LD50 (rat): 25000mg/kg
Route of Entry: inhalation, ingestion

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Absorb with inert material and put the spilled material in an appropriate waste disposal. For large spill, keep away from heat and sources of ignition. Stop leak without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Disposal: Recycle, if possible. Consult your local or regional authorities.

SECTION 8: FIRST AID PROCEDURES

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Eyes: Remove any contact lenses. Do not use eye ointment. Seek medical attention.

Skin: No known effect according to database

Inhalation: Allow victim to rest in well ventilated area. Seek medical attention.

Ingestion: Remove any dentures. Have conscious person drink several glasses of water or milk.

mouth Induce vomiting by sticking finger in throat. Lower head so vomit won't reenter and throat. Never give unconscious person anything to ingest. Seek medical attention.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sources of ignition, and from strong oxidizing agents. Keep in a cool, dry, well-ventilated area. Ground all equipment containing material. Do not breathe gas, fumes, vapor or spray. Wear respiratory equipment in case of insufficient ventilation. Avoid contact with eyes.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne concentrations of vapors below recommended exposure limits.

Eye Protection: Splash goggles

Protective Gloves: in case of large spill

Respiratory Protection: vapor respirator

Other Protective Gear: Proximal eye wash station, lab coat; boots, full suit, and self contained breathing apparatus in case of large spill

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated

DOT pictograms: