

MATERIAL SAFETY DATA SHEET

Vitamin A Acetate 500cws Powder

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Vitamin A Acetate 500cws Powder

Synonyms: Retinol Acetate

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Components: Vitamin A Acetate, dextrine and sucrose, modified starch

CAS-No.: 127-47-9

Molecular Formula: C₂₂H₃₂O₂

SECTION III HAZARDS IDENTIFICATION

Appearance: Light yellow Powder

Most Important Hazards : no particular hazards known

SECTION IV - FIRST-AID MEASURES

After Inhalation: Exposure to fresh air

After Skin Contact: Wash off with water

After Eye Contact: rinse out with water

After swallowing (large amounts) Get medical aid if not feeling good.

SECTION V - FIRE-FIGHTING MEASURES

General Information: Substance is noncombustible

Suitable Extinguishing Media: Dry powder, foam, spray water, CO₂

Protection of fire-fighters precipitate gases/vapors/mists with water spray

SECTION VI - ACCIDENTAL RELEASE MEASURES

Methods For Cleaning: Collect solids (avoid dust formation) and hand over to waste removal

SECTION VII - HANDLING AND STORAGE

Handling: Wash thoroughly after handling .Avoid dust formation and accumulation.

Take precautionary measures against electrostatic charging

Use with adequate ventilation

Storage: Store in a cool ,dry place. Keep container tightly closed

SECTION VIII - PERSONAL PROTECTION

Respiratory Protection: Respiratory protection not necessary during normal operations

For emergencies,or instances where the exposure levels are not known, use an air-supplied respirator.

Hand Protection: Protective gloves

Eye Protection: Safety glasses

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow Powder

Odor: Little

Bulk Density: ~0.6g/cm

Solubility: Soluble in warm water (40°C)

SECTION X STABILITY AND REACTIVITY

Stability: Stable under the conditions mentioned in section 7

Conditions To Avoid: Air, warming, light, humidity.

Materials To Avoid: Atmospheric oxygen, oxidizing agents, strong acids, strong bases, reducing agents, metal salts, compounds rich in oxygen

Note: Auto-oxidation in the presence of atmospheric oxygen.

SECTION XI - TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 > 6,000 mg/kg (oral, rat)

LD50 > 4,000 mg/kg (oral, mouse)

Mutagenicity: Not mutagenic (various in vivo and in vitro test systems)

Carcinogenicity: Not carcinogenic (several species)

Reproduction toxicity: Not teratogenic, not embryotoxic (several species) *1

Note: No toxic effects have been observed during occupational handling

SECTION XII - ECOLOGICAL INFORMATION

Environmental Fate: No information found.

Environmental Toxicity: No information found.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste From Residues: Observe local/national regulations regarding waste disposal incinerate in qualified installation with flue gas scrubbing

SECTION XIV - TRANSPORT INFORMATION

Note: Not subject to transport regulations

SECTION XV - REGULATORY INFORMATION

Note: No labeling necessary for dangerous goods