

Safety data sheet

Dry Vitamin A-Acetate 500 40 Mesh,

Revision date : 2006/04/25
Version: 1.0

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(30041009/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
57-50-1	20.0 - 40.0 %	Sucrose
9000-70-8	20.0 - 40.0 %	Gelatin
127-47-9	15.0 - 30.0 %	Vitamin A Acetate
	15.0 - 30.0 %	DRY FLO BHN
7732-18-5	3.0 - 7.0 %	Water
128-37-0	1.0 - 5.0 %	BHT

3. Hazard identification

Emergency overview

WARNING: CAUSES SKIN IRRITATION.
PROLONGED OR REPEATED CONTACT MAY RESULT IN DERMATITIS.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Contains a suspect teratogen.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts.

Use with local exhaust ventilation.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Wear NIOSH-certified chemical goggles.

Wear chemical resistant protective gloves.

Wear protective clothing.

Eye wash fountains and safety showers must be easily accessible.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

5. Fire-fighting measures

Suitable extinguishing media:

water spray, carbon dioxide, dry extinguishing media, foam

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

NFPA Hazard codes:

Health : 2 Fire: 1 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dispose of absorbed material in accordance with regulations.

For small amounts: Sweep/shovel up.

For large amounts: Sweep/shovel up.

7. Handling and storage

Handling

Protection against fire and explosion:

Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

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Storage

General advice:

Keep container tightly closed and dry; store in a cool place. Protect from air.

Temperature tolerance

Protect from temperatures above: 60 °C

Damage by exceeding the maximum temperature is not reversible.

8. Exposure controls and personal protection

Components with workplace control parameters

Sucrose	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Wear chemical resistant protective gloves., Consult with glove manufacturer for testing data.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

9. Physical and chemical properties

Form:	powder	
Odour:	mild, pleasant	
Colour:	yellowish	
Bulk density:	approx. 600 kg/m3	
Solubility in water:		(35 - 40 °C) emulsifiable

10. Stability and reactivity

Hazardous reactions:

Dust explosion hazard.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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11. Toxicological information

Oral:

Information on: Vitamin A Acetate
LD50/rat: > 2,000 mg/kg (BASF-Test)

Skin irritation:

Information on: Vitamin A Acetate
rabbit: Irritant. (OECD Guideline 404)

Eye irritation :

Information on: Vitamin A Acetate
rabbit: non-irritant (OECD Guideline 405)

Genetic toxicity:

Information on: Vitamin A Acetate
Most of the results from the numerous studies available show no evidence of a mutagenic effect.
Literature data.

Developmental toxicity/teratogenicity:

Information on: Vitamin A Acetate
In animal studies the substance showed a developmental toxic/teratogenic effect.
Literature data.

12. Ecological information

Information on: Vitamin A Acetate

Accumulation in organisms is expected.

Information on: Vitamin A Acetate
Acute and prolonged toxicity to fish:
DIN 38412 Part 15 static
golden orfe/LC50 (96 h): = > 220 < 460 mg/l
The details of the toxic effect relate to the nominal concentration.

Information on: Vitamin A Acetate
Acute toxicity to aquatic invertebrates:
OECD Guideline 202, part 1 static
Daphnia magna/EC50 (48 h): 46 mg/l
The statement of the toxic effect relates to the analytically determined concentration.

Information on: Vitamin A Acetate
Toxicity to aquatic plants:
OECD Guideline 201 static
green algae/EC50 (72 h): > 100 mg/l
The details of the toxic effect relate to the nominal concentration.

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13. Disposal considerations

Waste disposal of substance:

Do not discharge into waterways or sewer systems without proper authorization.
Dispose of in accordance with national, state and local regulations.

14. Transport information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / exempt

OSHA hazard category: Skin and/or eye irritant, Chronic target organ effects reported

SARA hazard categories (EPCRA 311/312): Acute, Chronic

State regulations

State RTK

CAS Number

57-50-1

Chemical name

Sucrose

State RTK

MA, PA

16. Other information

HMIS III rating

Health: 2⁺ Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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Local contact information

prod_reg@basf.com

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