

# Safety data sheet

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BASF Safety data sheet Date / Revised: 19.02.2016 Product: Luviskol® VA 64 Powder

Version: 2.0

(30035019/SDS\_COS\_SG/EN) Date of print 20.02.2016

## 1. Substance/preparation and manufacturer/supplier identification

# Luviskol® VA 64 Powder

Use: Polymer, cosmetic ingredient

Manufacturer/supplier: BASF South East Asia Pte Ltd. 7 Temasek Boulevard, #35-01 Suntec Tower One, 038987, SINGAPORE Telephone: +65 6 337-0330 Telefax number: +65 6 334-0330 E-mail address: xinhui.khaw@basf.com

Emergency information: International emergency number: Telephone: +49 180 2273-112

## 2. Hazard identification

Classification of the substance and mixture: No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification: If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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## 3. Composition/information on ingredients

## **Chemical nature**

INCI Name: VP/VA Copolymer

Copolymer based on: Polyvinylpyrrolidone-vinyl acetate copolymer CAS Number: 25086-89-9

## 4. First-Aid Measures

General advice: Remove contaminated clothing.

If inhaled: Keep patient calm, remove to fresh air.

On skin contact: Wash thoroughly with soap and water.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Rinse mouth and then drink plenty of water.

Note to physician: Symptoms: No significant symptoms are expected due to the non-classification of the product. Hazards: No hazards anticipated. Treatment: Symptomatic treatment (decontamination, vital functions).

## 5. Fire-Fighting Measures

Suitable extinguishing media: foam, water spray, dry powder

Specific hazards: carbon dioxide, nitrous gases, cyanides

Special protective equipment: Wear a self-contained breathing apparatus.

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

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## 6. Accidental Release Measures

Personal precautions: Avoid dust formation.

Environmental precautions: Do not empty into drains.

Methods for cleaning up or taking up: For large amounts: Pick up with suitable appliance and dispose of.

## 7. Handling and Storage

#### Handling

Avoid dust formation. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion: The relevant fire protection measures should be noted.

#### Storage

Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Protect against heat.

### 8. Exposure controls and personal protection

Components with occupational exposure limits

The nuisance dust limit value is to be kept.

Particles, not otherwise specified, inhalable TWA value 10 mg/m3 (ACGIHTLV), Inhalable particles TWA value 10 mg/m3 (OEL (SG)), Particulate

#### Personal protective equipment

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1or FFP1)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

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Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

# 9. Physical and Chemical Properties

Form: Colour: Odour: Odour threshold:	powder white to cream faint specific odour No data available.		
pH value:	3.8 - 6.0 (water, 10 %(m), 20 °C)	(Ph. Eur. 2.2.3)	
melting point (decomposi boiling temperature:	ition): 140 °C		
	not applicable		
Flash point: Evaporation rate:	215 °C	(DIN 51755)	
	not applicable		
Flammability (solid/gas): Lower explosion limit:	not readily ignited		
Upper explosion limit: Ignition temperature:	not determined		
	not determined		
	No data available.		
Thermal decomposition: Self ignition:	>= 140 °C not self-igniting		
Minimum ignition energy:	: 10 - 30 mJ Inductivity: 1 mH The product is capable of dust explosion.	(VDI 2263, sheet 1, 2.1.1)	
Explosion hazard: Fire promoting properties	not explosive : not fire-propagating		
Vapour pressure:	not applicable		
Relative density:	Nie lete e statie		
Bulk density: Relative vapour density (	No data available. approx. 250 - 450 kg/m3 air): not applicable	(DIN EN ISO 60)	
Solubility in water:	> 300 g/l (20 °C)		

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	Miscibility with water:					
		soluble				
	Solubility (qualitative) so	lvent(s): soluble	organic solvents			
Partitioning coefficient n-octanol/water (log Pow): < -2.5						
	-					
	Viscosity, dynamic:					
		not appl	icable, the product is a solid			
	Solids content:	95.0 - 10	00.0 %	(Ph. Eur. 2.	2.32)	

## **10. Stability and Reactivity**

Conditions to avoid: Avoid dust formation.

Thermal decomposition: >= 140 °C

Substances to avoid: No substances known that should be avoided.

Hazardous reactions: Dust explosion hazard.

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

## **11. Toxicological Information**

### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Experimental/calculated data: LD50 rat (oral): > 10,000 mg/kg (BASF-Test)

### Irritation

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data: Skin corrosion/irritation rabbit: (BASF-Test)

Serious eye damage/irritation rabbit: (BASF-Test)

## **Respiratory/Skin sensitization**

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

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Experimental/calculated data: Guinea pig maximization test guinea pig: (OECD Guideline 406)

## Germ cell mutagenicity

Assessment of mutagenicity:

No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic in studies with mammals.

### Carcinogenicity

Assessment of carcinogenicity: In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was not observed.

## **Reproductive toxicity**

Assessment of reproduction toxicity: No data available. Repeated oral uptake of the substance did not cause damage to the reproductive organs.

## **Developmental toxicity**

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

### Specific target organ toxicity (single exposure):

Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

## Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: None known

### **Aspiration hazard**

No aspiration hazard expected.

## Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

# **12. Ecological Information**

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#### Ecotoxicity

Assessment of aquatic toxicity:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish:

LC50 (96 h) > 10,000 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, Daphnia magna (Directive 79/831/EEC, static)

Aquatic plants: EC50 (72 h) > 100 mg/l (biomass), Scenedesmus subspicatus (OECD Guideline 201, static)

Microorganisms/Effect on activated sludge: No data available.

Chronic toxicity to fish: No data available.

Chronic toxicity to aquatic invertebrates: No data available.

Assessment of terrestrial toxicity: No data available.

### Mobility

Assessment transport between environmental compartments: No data available.

#### Persistence and degradability

Assessment biodegradation and elimination (H2O): Poorly eliminated from water.

Elimination information: approx. 20 - 30 % DOC reduction (15 d) (OECD Guideline 302 B) (aerobic, activated sludge, adapted) Poorly eliminated from water.

Assessment of stability in water: No data available.

### **Bioaccumulation potential**

Bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

### Additional information

Other ecotoxicological advice:

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Ecological data are determined by analogy.

## **13. Disposal Considerations**

Must be sent to a suitable incineration plant, observing local regulations. A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage.

Observe national and local legal requirements.

## 14. Transport Information

**Domestic transport:** 

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**

#### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

## **16. Other Information**

Any other intended applications should be discussed with the manufacturer.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.