

# Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 17.12.2003

Product: **Kolliccoat\* IR Coating**

Version: 1.0

(30132288/SDS\_GEN\_EU/EN)

Date of print 22.06.2005

## 1. Substance/preparation and company identification

### Kolliccoat\* IR Coating

Company:

BASF Aktiengesellschaft

Fine Chemicals Division

67056 Ludwigshafen, Germany

E-mail address: basis-msds-label.me-qr@basf-ag.de

Emergency information:

Fire brigade BASF Ludwigshafen

Telephone: +49-621-60-43333

Telefax number: +49-621-60-92664

## 2. Composition/information on ingredients

Chemical nature

Polyvinylalcohol-polyethylene glycol graft copolymer

CAS: 96734-39-3

## 3. Hazard identification

No particular hazards known.

## 4. First-aid measures

## General advice:

Remove contaminated clothing.

## If inhaled:

Keep patient calm, remove to fresh air.

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On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

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

On ingestion:

Rinse mouth and then drink plenty of water.

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## 5. Fire-fighting measures

Suitable extinguishing media:

water, carbon dioxide, foam

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:

No special precautions necessary.

Environmental precautions:

Do not empty into drains.

Methods for cleaning up or taking up:

For small amounts: Sweep/shovel up.

For large amounts: Sweep/shovel up.

Dispose of absorbed material in accordance with regulations.

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## 7. Handling and storage

### Handling

Avoid dust formation.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking.

### Storage

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

none

### Personal protective equipment

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter EN 143 Type P1, low efficiency, (solid particles of inert substances).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding &gt; 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on own 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 in accordance with EN 374.

Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

Form:	powder
Colour:	colourless
Odour:	faint specific odour
Melting point:	approx. 200 °C
Solubility in water:	The product or its combustible parts are soluble in water. (approx. 15 °C)

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## 10. Stability and reactivity

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

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Hazardous decomposition products:

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

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## 11. Toxicological information

LD50/oral/rat/male/female: > 2.000 mg/kg (OECD Guideline 423)

Primary skin irritation/rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane/rabbit: non-irritant (OECD Guideline 405)

Sensitization/Buehler test/guinea pig: Non-sensitizing. (OECD Guideline 406)

The statement for sensitization was derived from products of similar composition.

Further information:

No mutagenic effect was found in various tests with microorganisms and mammalian cell culture.

The substance was not mutagenic in studies with mammals.

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## 12. Ecological information

### Ecotoxicity

Toxicity to fish:

OECD Guide-line 203 static

Brachydanio rerio/LC50 (96 h): > 100 mg/l

The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): > 100 mg/l

The details of the toxic effect relate to the nominal concentration.

Aquatic plants:

OECD Guideline 201 static

Desmodemus subspicatus/EC50 (72 h): > 100 mg/l

The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge:

OECD Guideline 209 aerobic

activated sludge/EC20 (0,5 h): > 1.000 mg/l

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

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### **Persistence and degradability**

#### Elimination information

Test method: OECD Guideline 302 B (aerobic), activated sludge, domestic

Method of analysis: DOC reduction

Degree of elimination: 10 - 20 % (28 d)

Assessment: Not easily biodegradable (by OECD criteria). Poorly biodegradable. The product has not been tested. The statement has been derived from products of a similar structure and composition.

### **Bioaccumulation potential**

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

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## **13. Disposal considerations**

Observe national and local legal requirements.

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## **14. Transport information**

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

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## **15. Regulatory information**

### **Regulations of the European union (Labelling) / National legislation/Regulations**

not subject to labelling

### **Other regulations**

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## **16. Other information**

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

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.