

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Commercial Product Name
MESITOL P LQ 50%

1.2 Relevant identified uses of the substance or mixture and uses advised against**Use of the Substance/Mixture**

Paper industry auxiliary

Recommended restrictions on use

For industrial use only.

1.3 Details of the supplier of the safety data sheet

Kemira Oyj
P.O. Box 33000101 HELSINKI FINLAND
Telephone+358108611, Telefax. +358108621124
ProductSafety.FI.Helsinki@kemira.com

1.4 Emergency telephone number

Carechem 24 International: +44 (0) 1235 239 670

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements**Labelling according to EC Directives (1999/45/EC)**

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature of the mixture Aqueous solution

No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air. If there is difficulty in breathing, medical advice is required.

Skin contact

Wash off with soap and plenty of water. Take off contaminated clothing and shoes immediately. Consult a physician if necessary.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Consult an ophthalmologist if necessary.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment : Symptomatic treatment.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media : Water mist
Foam
Dry powder

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Previous date: 27.08.2010

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Unsuitable : Carbon dioxide (CO₂)
extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Irritant and toxic fumes are formed in burning.

5.3 Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. For personal protection see section 8.

6.2 Environmental precautions

Prevent product from entering the environment.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry, cool and well-ventilated place. Bulk product: cold protection below 0°C
Should the product become opaque, thicken or freeze due to cold conditions, allow it to thaw slowly at room temperature. After a short stirring time it will again be ready for use.

Materials to avoid:

no data available

Storage stability:

Storage period 24 Months

7.3 Specific end uses

Manufacture of paper
Paper industry auxiliary

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Avoid contact with skin and eyes. Do not breathe vapours, aerosols. Do not eat, drink or smoke when using this product.

Ensure adequate ventilation.

Wash hands before breaks and at the end of workday. Use protective skin cream.

8.2.2 Individual protection measures, such as personal protective equipment

Hand protection

Glove material: Chloroprene

Protective gloves complying with EN 374. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Eye protection

Safety glasses

Skin and body protection

Protective clothing.

Respiratory protection

If significant amounts of vapour, mist or aerosol are present use respiratory protection. (filter ABEK-P2)

8.2.3 Environmental exposure controls

Prevent product from entering the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information (appearance, odour)

Physical state	liquid,
Colour	brownish
Odour	weak odour

Important health safety and environmental information

pH	5,5 - 7,5 (100 g/l)
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Solidification point	< -5 °C
Boiling point/boiling range	> 100 °C
Flash point	> 100 °C
Evaporation rate	
	no data available
Flammability (solid, gas)	
	not applicable
Explosive properties:	
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Relative vapour density	no data available
Density	1,2 g/cm ³
Solubility(ies):	
Water solubility	miscible
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Thermal decomposition	Stable under normal conditions.
Viscosity:	
Viscosity, dynamic	< 100 mPa.s (23 °C)

9.2 Other data

Surface tension	not determined
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10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Stable at normal ambient temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

10.4 Conditions to avoid

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Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : Note: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50/Oral/rat: > 5.000 mg/kg

Irritation and corrosion

Skin: rabbit: No skin irritation

Eyes: rabbit: No eye irritation

Sensitisation

Remarks: no data available

Long term toxicity

Repeated dose toxicity

Remarks: no data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

Aquatic toxicity LC0/96 h/Danio rerio (zebra fish): > 100 mg/l

Toxicity to other organisms

EC50/bacteria of activated sludge/Inhibition of activity of waste water bacteria/OECD Test Guideline 209: > 100 mg/l

12.2 Persistence and degradability

Biological degradability:
Zahn-Wellens Test/biological elimination: 72 %

Remarks: Test results for a higher concentrated product.
Biochemical Oxygen Demand (BOD): 83 mg/g (5 d)
Chemical Oxygen Demand (COD): 688 mg/g
Dissolved organic carbon (DOC): < 246 mg/g

12.3 Bioaccumulative potential

Remarks: No data is available on the product itself.
Partition coefficient: n-octanol/water: no data available

12.4.Mobility in soil

Mobility

Water solubility: miscible
Surface tension: not determined

12.5. Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Adsorbed organic bound halogens (AOX): (DIN EN 1485)
The product does not contain any organically bonded halogens which could influence on AOX values in the waste water.
The product contains available nitrogen which can contribute to eutrophication, approx. 4,3%.
The product does not contain heavy metals in concentrations of concern for waste water. The product does not contain phosphates or organophosphorus compounds.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

If recycling is not practicable, dispose of in compliance with local regulations. Incineration is recommended.

Contaminated packaging

Packages that cannot be cleaned must be disposed of the same way as the unused product.

14. TRANSPORT INFORMATION

14.1 UN number

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

Bulk product:, cold protection below 0°C, Keep away from food and drink.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations : None known.

Notification status

:

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

16. OTHER INFORMATION

Training advice

Read the safety data sheet before using the product.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.