

DEK STANDARD ENGINEERING INSTRUCTION

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Use of Kephos 253

DSH111

1 PRODUCT

Kephos 253

Ref No S841 - 253

2 MANUFACTURER

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3 DESCRIPTION

A slightly acidic solution of resins and phosphating chemical in a solvent mixture containing xylenes, alcohols and propylene glycol methyl ether. It is used for phosphating and sealing metal surfaces to provide pre-paint and corrosion resistant coatings. Application is by dip, spray, brush etc. Immiscible with water. This product is flammable and has a flash point* of 25 deg C.

*As defined by 'The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972'.

4 TOXIC AND CORROSIVE PROPERTIES

The product is irritating to the skin and eyes. The vapour may be harmful by inhalation if the Occupational Exposure Limit * (OEL) is exceeded. To comply with the Health and Safety at Work Act the recommended OEL * values must not be exceeded.

Long-term Occupational Exposure Limit
(8 hour time weighted average) : 100ppm (400 mg/m³)

Short-term Occupational Exposure Limit
(10 minutes time weighted average) : 150ppm (600 mg/m³)

* See paragraph 11

5 HANDLING PRECAUTIONS

WHEN HANDLING THE PRODUCT WEAR CHEMICAL GOGGLES WHICH CONFORM TO BS 2092 AND TO 'THE PROTECTION OF EYES REGULATIONS 1974', PVC APRON AND NITRILE RUBBER GLOVES. PVC GLOVES MAY BE USED BUT WILL HAVE A RELATIVELY SHORT LIFE IF IN CONTINUOUS CONTACT WITH KEPHOS. HANDLE ONLY IN CONDITIONS OF GOOD VENTILATION.

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6 FIRST AID

6.1 Skin Contact

Remove contaminated clothing. Drench affected area with water from a strong shower or hose. Kephos is immiscible with water and skin should subsequently be cleaned thoroughly with methylated spirit and using swabs. If irritation or skin rash develops obtain medical attention.

6.2 Eye Contact

Flush with large quantities of cool water holding eyelids apart and continue irrigation for at least 10 minutes.

GET MEDICAL ATTENTION IMMEDIATELY

6.3 Inhalation

Move to fresh air, keep affected person warm and rested.

GET MEDICAL ATTENTION IMMEDIATELY

6.4 If Swallowed

Give as much water to drink as possible (with milk of magnesia if available).

DO NOT INDUCE VOMITING

GET MEDICAL ATTENTION IMMEDIATELY

7 PRECAUTIONS IN USE

Use under conditions of good ventilation and limit breathing of vapour to a minimum.

Dip tanks should be fitted with adequate means of vapour extraction.

Kephos should be sprayed only in properly designed paint spray booths with adequate extraction. Do not spray in an open shop.

Avoid all skin contact.

Refer to the relevant Product Data Sheet for the safe operation of this process.

8 FLAMMABILITY AND FIRE HAZARD

This product is flammable. Use Foam, Dry Agents, BCF for fire fighting.

9 SPILLS

Contain any spills and absorb with sand, sawdust etc. DO NOT CONTAMINATE DRAINS. Transfer waste to polythene lined drums or polythene bags and refer to specialist waste disposal contractors for disposal. Transfer contents of broken or damaged containers to clean lined drums.

10 STORAGE

Storage must comply with 'The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972'. Store only in original containers which should be kept sealed when not in use. Do not store near foodstuffs.

11 REFERENCES

Occupational Exposure Limits 1985, Guidance Note EH40 from the Health and Safety Executive. (Reprinted annually).

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