



CONSERVATION BY DESIGN LIMITED

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Material Safety Data Sheet

KLUCEL® Hydroxypropylcellulose

21.008-2 UK
December 1996
supersedes 21.008-1 UK

I. IDENTIFICATION OF PRODUCT

Trademark KLUCEL® Hydroxypropylcellulose
Chemical Description Hydroxypropylcellulose
CAS numbers 9004 - 64 - 2

Supplier

Conservation by Design Limited
Timecare Works
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2. INFORMATION ON INGREDIENTS

Chemical Description Hydroxypropylcellulose

3. HAZARDS IDENTIFICATION

Caution	If this powder is spilt onto wet floors they may become very slippery. When dispersed in air this powder represents an explosion hazard.
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Short Term Exposure	No permanent effects on humans known from discontinuous short - term exposure when used as directed.
Long Term Exposure	No permanent effects on humans known from discontinuous short - term exposure when used as directed.
Ecology	No long - term ecological effects

4. FIRST AID MEASURES

SKIN	Wash off immediately with plenty of soap & water
EYE CONTACT There may be mild irritation and redness. Vision may be impaired due to the presence of Magnesium Carbonates on the eye.	Wash the chemical out of the eye with flowing water for ten minutes.
INGESTION May cause intoxication in quantity	Wash mouth out thoroughly with water. In severe cases obtain medical attention.
INHALATION	Remove from area of exposure

5. FIRE FIGHTING MEASURES

Flammable. Use foam, dry powder, Carbon Dioxide or vapourising liquids.

6. SPILLAGE AND LEAK PROCEDURES

FIRST ACTION	(i) Eliminate all sources of ignition immediately and instruct others to keep at a safe distance, well away from the spillage area. (ii) Open window, if possible, and close laboratory doors on way out. Aim to ventilate the area but isolate the material.
SMALL SPILLS ~ Liquids < 0.5 litre	Absorb on paper and allow to evaporate in a fume - cupboard or open air.
LARGE SPILLS ~ Liquids < 25 litre	Absorb the chemical onto sand or vermiculite and transfer into bucket, move to open air and allow to evaporate.

7. STORAGE & HANDLING

Use in well ventilated area. Wear gloves where continued skin contact may occur. Store in a well ventilated place protected from frost.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirator	Not applicable (but may be advisable in close proximity)
Gloves	Rubber or Plastic
Eye Protection	Face mask or goggles when changing pressurised cylinders (as a precautionary note: recommended during general use.)

9. PHYSICAL & CHEMICAL PROPERTIES

Density (g / ml)	0.95
Solubility in Water	Reacts with water to form gel
Flash point	86°C ~ Ignition Temperature N/A Explosion Limits N/A

10. STABILITY & REACTIVITY

No hazardous decomposition products known

11. TOXICOLOGICAL INFORMATION

No evidence of carcinogenic properties or mutagenic or teratogenic effects.
May be harmful if ingested in quantity.

LD50 > 2000 mg / kg oral rat.

12. DISPOSAL CONSIDERATIONS

No special requirements but chemical residues are generally classified as special waste, and as such are covered by local regulations.

Contact your local waste disposal authority.

13. TRANSPORT INFORMATION

UN No: 1993 ~ IMO: NR ~ IMDG class: NR

IATA: NR

Correct technical name: NOT RESTRICTED

ADR / RID: 3.32

14. REGULATORY INFORMATION

Labelling according to EEC DIRECTIVES

SYMBOL: NONE ~ R- Phrases: None

S- Phrases: S25- 29- 51