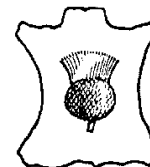




J Hewit & Sons Ltd

TANNERS AND LEATHER DRESSERS



Kinauld Leather Works
Currie
EDINBURGH
EH14 5RS

Tel : +44 (0) 131 449 2206
Fax: +44 (0) 131 451 5081
sales@hewit.com
www.hewit.com

HEALTH AND SAFETY AND TECHNICAL INFORMATION

CS1111 PASTE POWDER

Raw material:	Potato
Appearance:	Fine White Powder
Fibre:	Max. 2.0 Acidic hydrolysis followed by filtration.
Moisture Content:	Max.8% (ISO1666)
PH:	6-8ph measure in a 5% starch/demineralised water solution.
Preparation:	Whilst stirring, add powder to water until required consistency is reached.
Packaging:	300g, 1.5kg and 20kg containers
Storage and Handling:	Store in a clean, dry, well ventilated warehouse at ambient temperature and away from odorous materials. Ideal storage conditions are 20-25°C and <65% relative humidity. Handle sensibly to minimise the formation of dust and the build up of static electricity.
Shelf Life:	24 months from date of manufacture
EC Classification:	Not regarded as hazardous.
Fiber:	Max. 2.0. Acidic hydrolysis followed by filtration. Visual comparison (KMC 02-00).
Moisture content:	Max. 8% (ISO 1666).
pH:	6 - 8. pH measured in a 5% starch/demineralised water solution. (KMC 04-12).
Protein:	Max. 0.1% (ISO 3188).
Sulphur dioxide (SO₂)	Max. 2 ppm (ISO 5379).
Total viable count:	Max. 1,000/g. Culture at 30°C for 3 days (KMC 10-03).
Yeast and Mould:	Max. 200/g. Culture at 25°C for 5 days (KMC 11-03A and KMC 11-03B).
Coliform bacteria	Max. 10/g. Culture at 37°C for 24 hours on the RVG and TSA agar. (KMC 12-02).

1. Identification of substance/preparation and of the company/undertaking

Identification of substance or preparation: ColdSwell 1111.
Use of the substance/preparation: Food ingredient (Thickener/ stabiliser).
Identification of company: KMC
Hemingvej 60
DK-7330 Brande
Denmark

Person responsible for MSDS Hans Ole Carl (hki~ic~db)
Q. A. Technologist

Emergency phone number (+45) 96 42 55 55.
Only available during office hours.

2. Hazards identification

General: The product is not to be classified as dangerous material according to the rules provided by the Danish Ministry of the Environment.

Adverse human health effects: Dust might irritate respiration.

Environmental effects: No special effects. Not classified as dangerous material by the Danish Ministry of the Environment.

Other hazards: Low risk of dust explosions (class ST1).

3. Composition/information on ingredients

Chemical Characterization: Potato starch (C₆H₁₀O₅), mm. 97% of dry substance
CAS-No.: 9005-25-8
EINECS-NO: None

4. First aid measures

Inhalation: Seek fresh air. Rinse the mouth with fresh water.

Skin: Rinse with water.

Eyes: Rinse with plenty of water.

Ingestion: No need for specific measures.

5. Fire fighting measures

Precautions in event of fire: The product is not immediate ignitable. Avoid inhalation of fumes and gasses. Seek fresh air.

Suitable extinction media: All standard media — powder, foam and water — are suitable.

Extinguishing media which shall not be used for safety reasons: None

Special exposure hazards: At incomplete combustion CO can form (toxic gas).

Special protective equipment for fire-fighters: Standard protective clothing and breathing equipment.

6. Accidental release measures

Personal precautions:	Limit dust development. Avoid ignition sources. Use of breathing mask recommended. Filter type P2.
Environmental precautions:	Prevent the product from entering the water environment.
Clean up measures:	Collect in dry form or rinse with cold water.

7. Handling and storage

Handling:	Avoid excess dusting.
Storage:	Dry and cool.

Separated from strong smelling goods.

8. Exposure control/personal protection

Respiratory protection:	Assure efficient mechanical ventilation or use a dust mask. Filter type P2.
Hand protection:	Gloves of rubber or plastic are recommended as precaution for the skin drying out.
Eye protection:	No specific protection.
Skin and body protection:	No specific protection.

9. Physical and chemical properties

Appearance:	Physical state: Powder Colour: White Odour: Neutral
Properties:	Bulk density: Approx. 675 kg/m ³ pH (30% suspension): 5.0 — 8.0 Solubility in water (20°C): completely Explosion limit: As dust. Mm. 15 g/m ³ Decomposition temperature: >150°C

10. Stability and reactivity

General:	The product is stable under normal storage conditions.
Hazardous decomposition products:	By incomplete combustion CO (carbon monoxide) can form.

11. Toxicological information

Acute:	
Inhalation:	Inhalation of dust can have an irritating effect on the respiratory passages.
Ingestion:	No special effects
Eye contact:	Excessive dust can have an irritating effect on the eyes.
Skin contact:	Can cause the skin to dry out.
Long term effects:	No known effects.

12. Ecological information

Biodegradability: 100% degradable.

Further information: COD: 1.2 g/g
BOD5: 0.6 glg

Mobility: Is soluble in water and can be spread to the water environment. Risk of deoxygenation, if lead to water environment.

13. Disposal

General information: Composting, incineration or deposit as solid waste.

14. Transport information

General: The product is not classified as dangerous cargo.

15. Regulatory information

Labelling: No mandatory marking.

Limitation on usage: No special limitations.

16. Other information

ColdSwell 1111 is approved as a food additive.

NB: The information supplied is, to the best of knowledge, true and accurate, but recommendations or suggestions made are without guarantee since the conditions of use are beyond our control.