IDENTIFICATION OF THE SUBSTANCE: MC & Co natural dye printing formulation

CONTACT DETAILS:

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COMPOSITION/INFORMATION OF INGREDIENTS

Ultra low formaldehyde fully aqueous print paste containing butadiene and/or acrylic binders, synthetic thickeners and surfactants.

HAZARDS INDENTIFICATION

Most important hazards: The product does not need to be labelled in accordance with EC directives or respective national laws.

Specific hazards: This product does not present any specific risk for the human being or the environment.

FIRST-AID MEASURES

General: Take off immediately all contaminated clothing.

Advice to doctors: Show this safety data sheet to the Doctor in attendance.

If inhaled: Unlikely route of exposure.

If skin contact: Wash with plenty of water and mild detergents.

If eye contact: Flush with plenty of water for at least 15 minutes, keeping eyes wide open when rinsing – seek medical advice if reaction occurs. Drink 200–300ml water to dilute. Consult Doctor if reaction occurs.

If eaten: Rinse mouth (never give anything by mouth to an unconscious person). Do not induce vomiting. Obtain medical attention. Keep warm and in a quiet place.

FIRE-FIGHTING MEASURES

Fire extinguishing media: Water, Water-spray, Dry powder, Sand or Foam.

If involved in a fire: In case of a fire, wear self-contained breathing apparatus. Use standard procedures for chemical fire.

ACCIDENTAL RELEASE MEASURES

Personal protection: Use personal protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions: Absorb material with sand or inert material.

Spillage procedure: Soak up with inert or absorbent material. Shovel into suitable containers for authorised disposal. After cleaning, flush away traces with water.

HANDLING AND STORAGE

Handling: Avoid eye and skin contact.

Storage: Keep containers closed. Do not freeze. Protect against temperatures below 5 and above 40 degrees Celcius.

EXPOSURE CONTROLS/PERSONAL PROTECTION

General: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate

ventilation, especially in confined areas.

Respiratory: No personal respiratory equipment is normally required.

Eye: Goggles or face shield.

Hand: Gloves – PVC or other plastic material.

Skin: Industrial clothing.

PHYSICAL AND CHEMICAL PROPERTIES

pH: 8.0 – 9.0 at 20C Boiling point/range: 100C

Flash point: >100C (Closed Cup)

Flammability: This product will not burn, but dry films are combustible.

Vapour pressure: - mbar at C Relative density: - g/cm3 Solubility in Water: Miscible Partition coefficient: - log Pow Viscosity: - mPa.s at 20C

STABILITY AND REACTIVITY

Conditions to avoid: Do not freeze.

Hazardous decomposition products: Under proper storage

TOXICOLGICAL INFORMATION

Acute toxicity: Oral (Rat) (LD50) > 2000 mg/Kg.

Local effects: Skin contact of long duration may cause mild irritation. Eye contact may cause mild irri-

tation. Inhalation is an unlikely route of exposure.

LABELLING ELEMENTS

EUH-statements: EUH208 - MC&Co. natural dye formulation for screen printing. May produce an allergic reaction. Labelling according to Regulation (EC) No. 1272/2008 [CLP].

ECOLOGICAL INFORMATION

The product must be used according to proper working procedures avoiding wasting it in the environment. No ecological problems are expected when the product is handled and used with due care and attention.

DISPOSAL CONSIDERATION

Waste from residues/unused products: Dispose of as a special waste in compliance with local and national regulations and control of pollution Act 1974.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

TRANSPORT

Not classified as dangerous in the meaning of transport regulations.

OTHER INFORMATION

- *Madder dye and cutch dye* extract are approved dyestuffs for the Global Organic Textile Standard (GOTS 4.0) and are of consistent high quality through certified cultivation of pure plants (Europam: the European certification for medicinal herbs). Intended use: Textile printing paste.
- Cochineal dye is manufactured in Peru and is derived from a female scale insect, contain carminic acid. Fustic extract is derived from a weathered sandstone crystalline powder using environmentally respectful processes. Chlorophyllin is a copper compound usually extracted from alfalfa or stinging nettles. Indigo dye is derived from indigo grown in Tamil Nadu in southernmost India.