

TECHNICAL DATA SHEET

PRODUCT: Candle Colour Concentrates, Dyes

COMPOSITION/INGREDIENTS:

A range of preparations of polymer oil soluble dyes including Polymer Additives dispersed in non-toxic bases comprising of natural vegetable based fatty acids and fully saturated alkanes

PHYSICAL AND CHEMICAL PROPERTIES:

Melting Range	50-65°C
Density	0,85-0,92
Solubility in water	insoluble
Hazardous decomposition products	none
Hazardous reactions	Dust explosion possible if very finely powdered
Flash Point	200°C

Issue Date: September 2022

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: Candle Colour Concentrates, Dyes
Product Use: Colour Concentrate for candle waxes and oils

2. Composition/Ingredients

Chemical Nature: Composition of a single or different Colour Index(es)

A range of preparations of polymer oil soluble dyes dispersed in non-toxic bases comprising of natural vegetable based fatty acids and fully saturated alkanes.

3. Hazards Identification

Skin irritation: none
Eye irritation: none
Acute oral toxicity: LD50 > 5000mg/kg tested in rats

The product cannot be applied to animals in the form supplied. WE know of no ill effect that could have resulted from using this product for the purpose of which it is intended

4. First Aid Measures

After spillage: take up with a dust-binding medium and dispose of in accordance with disposal paragraph

First Aid: Wash affected skin with soap and water; wash affected eyes thoroughly under running water for at least 15 minutes with the eyelids open

5. Fire Fighting Methods

Extinguishing Media: use foam, dry powder or water spray/fog. Do not use CO2

6. Accidental Release Measures

Protection against fire and explosions: Containers should be earthed during decanting operations
Industrial hygiene: the normal precautions for the handling of chemicals should be observed

7. Handling and Storage

Storage conditions: store in cool, dry area away from heat, ignition sources and avoid wet conditions
Personal hygiene: wash after handling especially before eating, drinking, smoking.

8. Exposure Controls/Personal Protection

Wash thoroughly after handling.
No special respiratory protective equipment is required

9. Physical and Chemical Properties

Melting range: 50-65°C
Density: 0,85-0,92
Solubility in water: insoluble
Hazardous decomposition products: none
Hazardous reactions: dust explosion possible if finely powdered
Flash point: 200°C

10. Stability and Reactivity

Chemical Stability: stable under normal conditions of use
Hazardous polymerization: will not occur
Conditions to avoid: high temperatures

11. Toxicity Information

Irritating to the skin possible

12. Ecological Information

Eliminability: Elimination test not applicable as solubility in water is too low. Product can be mechanically separated in effluent treatment plants

13. Disposal Consideration

can be disposed of in special waste disposal units e.g. suitable incinerators in accordance with local regulations. N.B. Empty but uncleaned receptacles are still hazardous if they have contained dangerous substances and should be disposed of in accordance with current legislation

14. Transport information

not classified under transport regulations

15. Regulatory Information

Labelling Information: In accordance with information supplied, this product is not classified according to EEC Directives or the UK CPL Regulations SI 1984 N^o1244 and amendments

16. Other Information

European National Regulations for Colorants in Food Contact & Toy Applications:
These dyes in the normal concentrations used meet the heavy metal and primary aromatic amine requirements published in the following legislation:

EEC: the specification complies with the EEC legislation under current proposals.

Belgium: Moniteur Belge 1971/11725

France: Journal Officiel de la République Française No. 1227

Holland : Packaging and Food Utensils Regulation (Food Law) published by NVF

Italy: Gazzetta Ufficiale della Repubblica No. 111

UK: BPF/BIBRA: Criteria for selection of colorants for food-contact plastics specification, section 2.

Germany: BGA recommendation 1X.

The EEC has adopted a European Standard on Safety in Toys under EN71 Part 3, migration of certain elements. This standard only specifies limits for heavy metals extractable from the finished article. On this basis the dyes as supplied show levels significantly below those given in the EN Standard

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