



DCC
colourants

Dynasty Colourants Co., Ltd.

MATERIAL SAFETY DATA SHEET

MSDS Safety Data Sheet provided by Dynasty Colourants Co., Ltd.

Conforms to 91/155/EEC.

Product: SA Formaldehyde Resins

1. Content and company identification

Common Name: SA Formaldehyde Resins

Use: Intermediate for the chemical industry (Coatings, printing ink, plastics, special chemicals)

Supplier: Dynasty Colourants Co., Ltd.

2. Composition/information on ingredients

Chemical nature Urea-aldehyde resin

3. Hazard identification

No particular hazards known.

4. First-aid measures

General advice: Remove contaminated clothing.

If inhaled: If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact: Wash thoroughly with soap and water.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Rinse mouth and then drink plenty of water.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media: water spray, dry extinguishing media, foam, carbon dioxide

Specific hazards: harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment: Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions: Use personal protective clothing.

Environmental precautions: Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater. Methods for cleaning up or taking up: For small amounts: Sweep/shovel up.

For large amounts: Sweep/shovel up.

7. Handling and storage

Handling: No special measures necessary provided product is used correctly. Avoid dust formation. Take precautionary measures against static discharges. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion: No special precautions necessary.

Storage:

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure controls and personal protection

Components with workplace control parameters

50-00-0: Aldehyde

67-56-1: Methanol

95-47-6: O-xylene

Personal protective equipment

Respiratory protection: Breathing protection if dusts are formed.

Hand protection: Chemical resistant protective gloves (EN 374)

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection: safety glasses

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and chemical properties

Form: pastilles

Colour: light yellow

Odour: faint odour

melting range: 95-105 °C

Density: 1,1 g/cm³ (20 °C)(DIN 53217)

Bulk density: 600 - 700 kg/m³

Solubility in water: insoluble

10. Stability and reactivity

Thermal decomposition: No decomposition if used correctly.

Hazardous reactions: No hazardous reactions when stored and handled according to instructions.

11. Toxicological information

LD50/oral/rat: > 2.000 mg/kg

Primary skin irritation/rabbit: (Draize test)

Primary irritations of the mucous membrane/rabbit: non-irritant

12. Ecological information

Ecotoxicity

Aquatic invertebrates: OECD Guideline 202, part 1 static Daphnia magna/EC50 (48 h): > 100 mg/l

Nominal concentration the product has low solubility in the test medium. An eluate has been tested.

No toxic effects occur within the range of solubility.

Persistence and degradability:

Assessment: The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Additional information

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible.

Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging: Uncontaminated packs can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

15. Regulatory information

Regulations of the European Union (Labelling) /trade mark registration

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.