

Dispersing Agent DA22K

According to EC Directive 91/155/EEC

1. Identification

Product: Pigment Yellow Derivative

Product Name: DA22K Dispersing Agent

CAS No. 86753-78-8

Manufacturer/Supplier Identification

Manufacturer/Supplier: Formula Chemicals Co., Ltd.

Emergency telephone number: +886 922582639

2. Composition/Information on Ingredients

Chemical Name	CAS Number	Percentage (%)
Pigment Yellow Derivative	86753-82-4	100

This product is NOT considered to be hazardous substance under OSHA "S" Hazard Communication Standard (29 CFR 1910/200)

3. Hazards Identification

Health Hazard Data: No evidence of tumors and absorption or adverse effect.

No negative results in rabbit test for primary skin and eye irritation.

Hazard Designation: No danger symbols.

Particular information pertaining to specific risk for humans and environment:

The product is not a substance subject to mandatory marking in according with EEC- 67/548 and 88/379 or amendments.

4. Emergency and First Aid Procedure

Eyes and Skin: Immediately flush eyes with plenty of water for at least 15 minutes.

Flush skin with water and consult a physician.

Inhalation: Remove to fresh air area and treat symptomatically.

Ingestion: Do not induce vomiting. Dilute with 1-2 glasses of water. Get medical aid.

5. Firefighting Measures

Flash point: >100C (>212F)

Flammability classification: Non-flammable

Extinguishing media that must not be used for safety reasons: CO2. Dry powder.

Special Fire fighting procedure/Suitable extinguishing media: Use of self-contained breathing apparatus and full protective equipment recommended. Water mist. Foam.

6. Accidental Release Measures

Inhalation: Should be avoided by wearing dust mask. Inhalation of any nuisance dust may cause respiratory irritation.

Skin Contact : Under normal conditions of good industrial hygiene, not expected to have Irritation.

Eye Contact : Should be avoided by wearing approved safety approved safety glasses or goggles. Eye contact with any nuisance particulate may cause eye irritation.

Ingestion : Considered to be non-toxic.

Spillage Procedures: Pigment spillages should be cleaned up at once. Dry powder spillage is often best treated first by diluting.

7. Handling and Storage

Advice on safe handling: Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep dust to a minimum. Handle as an industrial chemical. Keep bag / container tightly closed.

Advice on common storage: Keep in a dry, cool and well ventilated place.

8. Exposure/ Protection method

Respiratory Protection: Dust Respirators recommended when handling pigment dusting.

Ventilation: Local exhaust ventilation recommended to control dust exposure, protective gloves are recommended.

Skin Contact: protective gloves recommended

Eye Protection: Safety glasses or goggles recommended.

9. Physical and Chemical Data

Appearance and Odor: Fine yellow powder, no appreciable odor

Solid %: 100

Density: 1.11 g/cm³

Solubility in water: Immiscible

Flash Point: >200C (>392F)

Melting point / range: 155C (311F)

10. Stability and Reactivity

Stability: Generally considered stable

Thermal decomposition: 300°C

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological Data:

This pigment has no acute toxicity by the oral route (LD₅₀ > 2000mg/kg) or by skin contact (LD₅₀ >2000 mg/kg). The pigment is not irritating to the skin or eyes (rabbit). In the guinea pig skin sensitization test, it showed no sensitizing effect. No adverse effects were observed in a 28-day toxicity study with doses of up to 1000 mg/kg. No evidence of mutagenicity was detected in mutagenicity tests, *in vitro* or *in vivo*.

12. Ecological Information

The product should not be allowed to enter drains or waterways.

Mobility: Non-volatile. Immiscible in water.

Persistence and degradability: Not biodegradable.

Bio-accumulative potential: No data available.

Environmental toxic data: No data available

13. Disposal Considerations

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Unclean packing: Packing that cannot be cleaned should be disposed of as product waste. Do not empty into waters or drains.

14. Transport Data

This preparation is not classified as dangerous according the international transport regulations (ADR/RID, IMDG, ICAO/IATA).

Land transport ADR/RID: Not Restricted

Maritime transport IMDG/GGVSea: Not Restricted

Air transport ICAO-TI and IATA-DGR: Not Restricted

15. Regulatory Information

Toxic Substance Control Act (TSCA):

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA Chemical inventory.

Classification According to EEC Directives: Not a substance subject to mandatory markings in accordance with EEC Directive 67/548/EEC or amendments.

Danger Symbol and Danger Designation: No Danger Symbols

R-Phrases: --

S-Phrases: --

Additional Information:

RCRA: Not regulated as a hazardous waste under RCRA

EINECS (European Economic Community): All components of this material are on the EINECS list.

CONEG: This product is certified to be in full compliance with CONEG legislation for packaging.

16. Other Information

This data sheet was prepared in accordance with Directive 91/155/EEC.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Formula Chemicals Co., Ltd.'s knowledge; however, Formula Chemicals makes no warranty regarding the accuracy of such data or the results to be obtained from use thereof. Formula Chemicals assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks. You are therefore advised to check that this sheet is the most recent issue.