

1) Identification of the product

a) Flint Hire & Supply Ltd product names and codes

Fluorescent Powder

Clear

Code DPPFX01

Violet

Code DPPFX03

Magenta

Code DPPFX05

Pink

Code DPPFX07

Red

Code DPPFX09

Orange

Code DPPFX11

Yellow

Code DPPFX13

Green

Code DPPFX15

Blue

Code DPPFX17

b) Manufactures Product Names

Fluorescent Pigment

SUPPLIER

Flint Hire & Supply

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2) Composition

This product is considered as a preparation in conformance to EC directives.

Chemical description A copolymer of toluene sulphonamide, melamine and formaldehyde.

Composition/information on ingredients

Number	% w/w	CAS-number	Chemical name
1	97-98	39277-28-6	Copolymer of toluene sulphonamide, melamine, formaldehyde.

Number	EINECS/ELINCS	EEC-number	Symbol(s)	Risk-phrase(s)
1	None	None	None	None

3) Physical and chemical properties

Appearance:	Fine powder
Colour:	As named
Odour:	Slight formaldehyde
Boiling point/range:	Not applicable
Melting point/range:	100-120°C
Flash point:	Not applicable
Flammability:	Not applicable
Autoignition temperature:	Unknown
Explosion properties:	Possible dust explosion hazard
Explosion limits:	Unknown
Oxidising properties:	None
Vapour pressure:	Not applicable
Density:	1-4g/cm ³
Bulk density:	420 kg/m ³
Solubility in water:	None
Solubility in other solvents:	Some solubility in methanol soluble in acetone
pH value:	7-0
Partition coefficient:	Unknown
n-octanol/water	
Relative vapour density air=1	
	Not applicable
Viscosity:	Not applicable

4) Fire fighting measures

Extinguishing media:	Water spray, dry powder, foam, carbon dioxide (CO ₂).
Unsuitable extinguishing media:	None known
Special exposure hazards:	Do not breath fumes.
Hazardous decomposition/combustion products:	May emit toxic and irritating fumes under fire conditions (sulphur dioxide, SO ₂ , hydrogen cyanide, HCN).
Protective equipment:	Wear self contained breathing apparatus.

5) First aid measures

General advice:	Show this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air.
Skin contact:	Wash off immediately with soap and plenty of water.
Eye contact:	Rinse immediately with plenty of water and seek medical advice.
Ingestion:	If swallowed, seek medical advice immediately, rinse mouth and give water to drink.

6) Stability and reactivity

Stability: Stable under normal conditions and up to 220°C
Conditions to avoid: Avoid dust formation.
Materials to avoid: None reasonably foreseeable.
Hazardous decomposition products:
> 130°C traces of formaldehyde,
> 600°C on burning SO₂, NO_x and small amounts of HCN.

7) Toxicological information

Name: Dyed toluenesulphonamide – melamine – formaldehyde resin.
Acute toxicity:
Inhalation LC50 > 5 mg/litre OECD guideline 403
Oral LD50 > 5000 mg/kg
Irritation
Skin: Non irritant OECD guideline 404
Eye: Slightly irritant OECD Guideline 405
Sensitisation: There is no evidence from tests that these materials cause sensitisation. Magusson-Kligman maximisation test
Genotoxicity: None anticipated from composition.

8) Ecological information

The product is insoluble in water, therefore ecological tests have not been conducted. Heavy metals (As, Ba, Cd, Hg, Pb, Sb) all generally 1 mg/kg each or less.

9) Handling and storage

Handling: The usual precautions for handling chemicals should be observed.
Fire and explosion prevention: Avoid generating dusts and ensure good ventilation.
Storage requirements: Store in original containers, under dry conditions, away from sources of ignition.

10) Exposure standards/Personal protection

Name: Dyed toluenesulphonamide – melamine – formaldehyde resin.
National occupational exposure limits: OEL = 10 mg/m³ (TOTAL FOR NUISANCE DUST)
Engineering measures: Ensure adequate ventilation, especially in confined areas.
Personal protection equipment:
- Respiratory protection: Dust mask to EN149 (nuisance and respirable dusts).
- Hand protection: Protective gloves
- Eye protection: Safety glasses
- Skin and body protection: Lightweight protective clothing
Hygiene measures: Shower or bathe at the end of working.

11) Accidental release measures/spillage

Personal precautions: Use personal protective equipment (see section 8).

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Avoid dust formation, with dust binding material and dispose.

12) Disposal

Product: Wastes from various/unused products should not be allowed into drains or watercourses. They may be disposed of to a suitably licensed landfill or incinerated in a suitably authorised installation.

Contaminated packaging: May be disposed of to a suitably licensed landfill.

13) Transport information

General: The product is considered non hazardous but keep separated from foodstuffs. Not restricted for land, sea or air shipments.

14) Regulatory information

Product label name: SP & SX ranges, all colours.

Labelling according to EC directives

EEC-number: None

Symbol(s) None

R(isk) phrase(s) None

S(afety) phrase(s) None

Other information: The product contains low levels (about 100 mg/kg) of extractable formaldehyde (water) but this is well below the level requiring classification and labelling information.

15) Hazard identification

Finely divided highly coloured pigments can generate dust (possible dust explosion hazard) and cause discoloration.

16) Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific materials designated and may not be valid for such materials used in combination with any other materials or in any process unless specified in the text.