

MATERIAL SAFETY DATA SHEET
Pigment Yellow 191

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY NAME: Pigment yellow 191

COMPANY DETAILS

EMERGENCY

Use the following phone number:
(Only available in working hour)

ADDRESS

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MATERIAL

Generic Sample Names	Pigment Yellow 191
Alternative Name/Intended Use	C.I. No.: 18795
Chemical Type:	Azo Salt
CAS Number(s)	129423-54-7 403-
EC Number (s)	530-4

2. COMPOSITION/INFORMATION ON INGREDIENTS

This material is a coloring agent used in the preparation of plastic.

HEALTH HAZARDS

This material contains no ingredients/impurities classified as hazardous to health according to EU and

UK chemicals legislation.

Refer to Section 15 for full text of risk phrases

3. HAZARD IDENTIFICATION

Not classified as hazardous according to rules and criteria in European Community Directives

4. FIRST AID MEASURES

Inhalation

Remove the affected person to fresh air, keep at rest in half upright position and loosen clothing if necessary. If symptoms persist, seek medical attention.

Ingestion

Rinse mouth with plenty of water or milk to drink. If symptoms persist, seek medical attention.

Eye Contact

Irrigate with eye wash solution or clean water holding the eyelids apart for at least 15 minutes. If symptoms persist, seek medical attention.

Skin Contact

Wash skin immediately with soap and water. If symptoms

Further Medical Treatment

5. FIRE FIGHTING MEASURES

General	If involved in a fire this material may emit irritating and toxic fumes including oxides of nitrogen and carbon.
Extinguishing Media	Do not allow run off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. Water fog, foam, carbon dioxide or dry chemical powder. Do not use water jet.
Fire Fighting Protective	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure suitable personal protection during removal of spillages. Do not allow to enter drains or water courses. In case of contamination contact the Environmental Agency or appropriate regulatory body immediately.
Environmental	
Methods of Cleaning Up	Sweep up into suitable containers for disposal in

7. HANDLING AND STORAGE

Handling	Use protective clothing as described in section 8. Avoid contact with skin and eyes.
Storage	Reseal containers immediately after use. Provide adequate ventilation.
Specific	
Uses	Store in a cool, dry place. Use sealed containers.
Extra Information	None. (See section 1). DANGER: Explosion risk if an air-dust mixture forms. Empty only into earthed containers. Dust explosion class 1.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NOTE: All PPE should be changed / cleaned as necessary to avoid contamination / permeation.

EXPOSURE CONTROLS	
Hand Protection	PVC gloves for hygiene purposes.
Eye Protection	Safety glasses or goggles.
Respiratory Protection	Where necessary should conform to FFP2 (EN 149:2001) or equivalent
Skin Protection	Wear PVC apron. Avoid contact with the material.

OCCUPATIONAL EXPOSURE LIMITS (OEL)

Hazardous Ingredient(s)	LTEL 8hrTWA	STEL/TIME	OSHA PEL 8hr TWA	ACGIH TLV
Dust/Particles	5mg/m ³	No data.	Total dust: 15 mg/m ³ (Respirable: 5mg/m ³)	Inhalable: 10 mg/m ³ (Respirable: 5mg/m ³)

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data are provided for H&S purposes only - see section

Description	Density (g/cm ³)	Yellow powder with no odour.
Solubility (in water)		1.7 ~ 1.8
No further information is available.		Insoluble

10. STABILITY AND REACTIVITY

Conditions to Avoid	Stable under normal temperature conditions.
Materials to Avoid	None known
Hazardous Decomposition Products	Under fire conditions, this material may emit irritating and toxic fumes including oxides of nitrogen and carbon.
Substance / Preparation Stabilized?	No. This substance is stable under normal conditions.
Inhalation	Not normally irritating.
Ingestion	Not normally irritating.
Eye Contact	Not normally irritating.
Skin Contact	Not normally irritating.
Long Term Exposure	Not normally irritating.
	No mutagenic effects observed.

Toxicology

Toxicity End Point	Inhalation	Skin	Eye	Ingestion
Acute Tox.	No Data	LD50>2000mg/kg (rat)	No Data	LD50>2000mg/kg (rat)
Irritation	No Data	Non-irritating (rabbit)	84/449/E) EC B.5.	No Data
Sensitisation	No Data		No Data	
There is no further toxicological data		Non-sensitising (guinea pig, 84/449/EEC B.6) available for this product.		

12. ECOLOGICAL INFORMATION

Persistence and Degradability	Non-biodegradable over the 28-day test period (modified Sturm test).
Ecotoxicity	The product is insoluble in water. No adverse effects were observed on daphnia magna or on algal growth and it is not toxic to waste-water bacteria.
Bioaccumulative Potential	Not known.
Mobility	Not known.
Other Adverse Effects	Not known.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains, water courses or where ground/surface waters may be affected. Disposal should be in accordance with regulations under the Special Waste Regulations, the Landfill (England and Wales) Regulations 2001, the Environmental Protection Act 1990 and the Pollution Prevention and Control Act 1999 or appropriate local / national regulations. Contaminated packaging should be treated as the substance preparation.

This material is not dangerous for transportation.

15. REGULATORY INFORMATION

LABELLING

EUROPEAN REGULATIONS

Classification	Not applicable
EINECS Status	Not listed

TEXT OF RISK PHRASES MENTIONED ELSEWHERE IN MSDS

None

US REGULATIONS

CERCLA Sections 102a/103 Hazardous Substances (40 CFR 302.4): Not Regulated.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355.30): Not Regulated.

SARA Title III Section 304 Extremely Hazardous Substances (40 CFR 355.40): Not Regulated.

SARA Title III Section 311/312 Hazardous Categories (40 CFR 370.21): Acute -No, Chronic-No, Fire-Yes,

Reactive-No Sudden Release-No

SARA Title III Section 313(40 CFR 372.65): Not Regulated.

OSHA Process Safety (29CFR1910.119): Not Regulated.

Germany: WGK class 1 (low hazard to waters).

Canada DSL: Listed

This MSDS has been prepared in accordance with the requirements of:

The Dangerous Substances Directive (67/548/EEC) as amended by the 7th Amendment (92/32/EEC) and Directive 2001/59/EC).

The Dangerous Preparations Directive (1999/45/EC).

The Safety Data Sheets Directive (91/155/EEC) as amended by Directives 93/112/EC and 2001/58/EC.

The Marketing and Use Directive (76/769/EEC).

Classification (Hazards, Information and Packaging) Regulations 2002. (UK)

OSHA Hazard Communication Standard. (US)

This MSDS is intended to assist in compliance with the following legislation/guidance:

Health and Safety at Work Act 1974. (UK)

Control of Substances Hazardous to Health Regulations 2002. (UK)

COSHH Essentials. (UK)

Dangerous Substances and Explosive Atmospheres Regulations 2002. (UK)

Pollution Prevention and Control (England and Wales) Regulations 2000. (UK)

Toxic Substances Control Act. (US)

Superfund Amendment and Reauthorization Act (SARA). (US)

Federal Food, Drug and Cosmetic Act. (US)

Federal Insecticide, Fungicide and Rodenticide Act. (US)

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). (US)

California Proposition 65. (US)

OSHA Process Safety. (US)

16. OTHER INFORMATION

The material supplied is intended only for industrial or laboratory use.

This document contains important information to ensure the safe handling and use of the material.

safety matters.

The technical information provided in this MSDS should only be used for the purpose of assessing hazards with respect to safety or the environment. It should not be used as a technical specification or engineering calculations. For details regarding specification or other product / technical data, contact VERDCOL LTD. using the address on the first page.

The information contained herein is accurate to the best knowledge and belief of VERDCOL LTD. and intended to describe the product for the purposes of health, safety and environmental requirements only. It is given in good faith, but is not intended, and should not be construed, as a warranty. It remains the user's own responsibility to ensure that the information is appropriate and complete for their use of this product and that all necessary steps are taken to meet the requirements of applicable legislation.

Abbreviations:

LTEL	Long Term Exposure Limit	OSHA	Occupational Safety and Health
STEL	Short Term Exposure Limit	ACGIH	Administration American Conference of
TWA	Time Weighted Average	SK	Governmental Industrial Hygienists Can be
PEL	PermissiblePermissible	Sen	absorbed through the skin Capable of
Exposure Limit			causing respiratory sensitization