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
Dongguan Baoxu Chemical Technology.,ltd.
Caijin Business Bldg DongGuan CN 523071
+86 0769 22821082 Fax 86 0769 22821083
www.additivesforpolymer.com
info@additivesforpolymer.com

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

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.

Methods of Cleaning Up
Sweep up into suitable containers for disposal in accordance with waste regulations (See section 13).

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

Dust/Particles 5mg/m³ No data. OSHA PEL 8hr TWA Total dust: 15 mg/m³ (Respirable: 5mg/m³)

ACGIH TLV

Inhalable: 10 mg/m³ (Respirable: 5mg/m³)

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Description Density (g/cm³) Yellow powder with no odour.
Solubility (in water) 1.7 ~ 1.8
No further information is available.

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
No Data

Eye Contact
Not normally irritating.

Skin Contact
Not normally irritating.

Long Term Exposure
Not normally irritating.

No mutagenic effects observed.

Toxicology

Toxicity End Point

Acute Tox.

Irritation

Sensitisation

There is no further toxicological data

Inhalation No Data

LD50>2000mg/kg (rat)

Skin

Non-irritating (rabbit, 84/449/EEC B.5.

No Data

Ingestion No Data

LD50>2000mg/kg (rat)

Non-sensitising (guinea No Data pig, 84/449/EEC B.6) available for this product.

Toxicology

12. ECOLOGICAL INFORMATION

Persistence and Degradability

Ecotoxicity

Non-biodegradable over the 28-day test period (modified Sturm test).

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

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355.30): 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.

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.
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:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>SK</td>
<td>Can be absorbed through the skin</td>
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<tr>
<td>Sen</td>
<td>Capable of causing respiratory sensitization</td>
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