

MATERIAL SAFETY DATA SHEET

1. Company name: Kunshan Haite Plastic Pigment Co.,Ltd..
2. Report Date:December 23, 2009
3. Chemical Product and Company Identification
Product Name : C.I. Solvent Yellow 93
Product Description: Yellow Powder
Use description: Dyes For Plastic,PET, etc.
4. Ingredient Composition Information:
100% Solvent Yellow 93
CAS No.: 4702-90-3
 $C_{21}H_{18}N_4O_2$ MW.:358.39
5. Hazards Identification
Emergency overview:
Caution:
When involved in a fire or exposed to high temperature for an expented period of time,organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen and carbon,or other toxic compounds.
6. First aid Measures
 - a)Eye contact:Flush eyes thoroughly with large amounts of water for at least 15 minutes,get medical attention.
 - b)Skin contact:Wash skin with soap and water ,remove severely contaminated clothing and clean before reuse.Seek medical attention in the unlikely event that irritation occurs.
 - c)Inhalation :Remove to fresh air.No long term effects are likely to occur where correct respiratory equipment is being used ,seek medical ,advised if breathing difficulties are experienced.
 - d)Ingestion :If conscious give large quantities of water,no long term effects

are likely to occur but if large amounts ingested, seek medical advice.

7. First Fighting Measures

Nonflammable organic dyestuff product.

8. Accidental Release

Spillage can be swept up with minimal dust generation, using vacuum or other clean up methods, wear suitable respirator or necessary. Place in a suitable container.

9. Handling and Storage

No special storage precaution are required, but it is advisable to store in a cool dry place, has unlimited storage stability in sealed container. Appropriate eye protection under the personal protective equipment. Respiratory protection when an occupational exposure level is likely to be exceeded, must be a health and safety executive approved dust respirator but it is preferred that atmospheric release is controlled extracted and filtered at source.

10. Exposure controls /personal protection

a). Industrial Hygiene: Normal standards of industrial hygiene should be observed food and drink should not be in working areas, wash thoroughly after handling and before eating, drinking or smoking.

b). Personal Protection: Normal industrial protection in terms of respiratory face mask, overall, gloves, etc is recommended, safety glasses should be worn to avoid contact with eyes.

c). Ventilation: Local exhaust ventilation to dust collector or containment recommended to control dust in below exposure limits.

d). An eyewash station should be available to the area.

11. Physical and Chemical Properties

Appearance: Yellow powder

PH: 6.5-7.5

Specific Gravity : 1.44-1.58

Vapour Pressure: not applicable

Flash point : not application

Explosion Limit: not applicable

Solubility: toothful soluble

12. stability and Reactivity

Thermal Decomposition: no decomposition when used as directed

Hazardous Decomposition Products: none

Hazardous Reactions: none

13. Toxicological Information

Based upon industry –wide experience over many years of manufacturing and published toxicological studies, organic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances.

14. Ecological Information

This product has not been evaluated for its ecotoxicity. However, the biodegradation of organic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since organic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

15. Disposal Considerations

This product may be disposed of by landfill although national and local legislation concerning the disposal of waste materials must be complied with.

16. Transport Information

This product is not classified as dangerous for the various transport modes, keep separated from foodstuffs.

17. Regulatory Information

This product is not considered to be a hazardous substance. No labeling is required in accordance with the classification, packaging and labeling of dangerous substances regulations.