

Material Safety Data Sheet

VersionNo.-01

RevisionDate:01July2022

SECTION I-PRODUCT IDENTIFICATION

PRODUCT: **PIGMATRON YELLOW HH**
Pigment Yellow 101
{ 2-Hydroxynaphthalene -1- Carbaldehyde [(2-hydroxy-1-naphthyl) methylene] Hydrazone }

PRODUCT CODE : **PGP-1001**

GENERAL USE : Pigment Yellow HH is a solid state fluorescent pigment it is used as a non destructive material testing, crack detection etc.

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FORMULATION DATE: -----

SECTION II-COMPOSITION AND INFORMATION ON INGREDIENTS

S. No.	CHEMICAL	CASNO.	COMPOSITION
1.	2-Hydroxynaphthalene-1-Carbaldehyde [(2-hydroxy-1-naphthyl) methylene] hydrazone	2387-03-3	100%

SECTION III- HAZARD IDENTIFICATION

Classification of the substance or mixture

Hazardous to the aquatic environment, long-term (Chronic)-Category Chronic 2

GHS label elements, including precautionary statements
Pictogram(s)



Signal word
Hazard statement(s)
Precautionary statement(s)
Prevention
Response
Storage
Disposal

Warning
H411 Toxic to aquatic life with long lasting effects

P273 Avoid release to the environment.
P391 Collect spillage.
none
P501 Dispose of contents/container to an appropriate treatment
And disposal facility in accordance with applicable laws and
regulations, and product characteristics at time of disposal.

Other hazards which do not resulting classification
No data available

SECTION IV-FIRST AID MEASURES

GENERAL: Immediately remove contaminated clothing. Rinse with water.
EYES: Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.
SKIN: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
INHALATION: Move individual to fresh air.
INGESTION: Do not induce vomiting unless directed by a physician. Thoroughly clean the mouth with water.

SECTION V-FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Water, Foam, ABC-powder
Unsuitable extinguishing media
Water jet

Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.
Hazardous combustion products
Nitrogen oxides(NOx), Carbon monoxide(CO), Carbon dioxide(CO2)

Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION VI-ACCIDENTAL RELEASE MEASURES

Personal precautions ,protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure ventilation. Remove all sources of ignition. Evacuate personnel to safe areas .Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION VII-HANDLING AND STORAGE

Precautions for safe handling

Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent by electrostatic discharge steam.

Conditions for safe storage ,including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place .Store apart from food stuff containers or incompatible materials

SECTION VIII-EXPOSURE CONTROLS-PERSONAL PROTECTION

Control parameters

Occupational Exposure limit values

No data available

Biological limit values

No data available

Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Setup emergency exits and the risk-elimination area.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles with side-shields, wear face protection equipment.

Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

No data available

SECTION IX- PHYSICAL AND CHEMICAL PROPERTIES

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Yellow
Odour	Odourless.
Odour threshold	No data available.
Ph 1.0 % aq. Soln.	3.0 – 5.0
Melting point	295 °C.
Boiling point	Not determine
Flash point	182°C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.

Density	0.935
Solubility in water	No data available
Partition coefficient	No data available.
Auto-ignition temperature	No data available
Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Solid Content	100 %

9.2. Other information

Mol. Wt. 340.37

SECTION X–STABILITY & REACTIVITY DATA

Reactivity

Concerning in compatibility: see below "Conditions to avoid" and "In compatible materials".

Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

There are no specific conditions known which have to be avoided.

Incompatible materials

Oxidisers

Hazardous decomposition products

No data available

SECTION XI– TOXICOLOGICAL INFORMATION

Acute toxicity

Oral:LD50-rat->4600mg/kg bw. Remarks: No mortality was observed. Inhalation:
no data available

Dermal:LD50-rat(male/female)-4247.018mg/kgbw.

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

SECTION XII- ECOTOXICOLOGICAL INFORMATION

- | | |
|---------------------------------|-------------------------------------|
| a. Ecotoxicity Data: | No data available |
| b. Persistence and Degradation: | No data available |
| c. Bioaccumulative Potential: | No Information Available |
| d. Environment assessment: | Not classified due to lack of data. |

SECTIONXIII-Disposal considerations

WASTEFROMRESIDUES/:	Disposal of according to National, state & local
UNUSEDPRODUCTS	law applicable regulations

SECTIONXIV-TRANSPORTATIONINFORMATION

National & International Regulations:-

Land :-

Not regulated as a dangerous good

Sea:

IMDG-International marine time dangerous good

Not regulated as a dangerous good

Air:

IATA-International Air Transport Association

Dangerous Goods Regulation(DGR)–

Not regulated as a dangerous good

SECTIONXV–REGULATORYINFORMATION

National Regulations--

No additional information available

Chemical safety assessment--

No additional information available

SECTIONXVI–OTHERINFORMATION

INTERNATIONAL INVENTORIES ATCAS#LEVEL

DOT–Department of Transportation.

IATA – International Air Traffic Association.

IMDG–International Maritime Dangerous goods.

CAS – Chemical Abstract Service.

Packing:-

1.Powder :Available in 25Kg Carbouy

MSDS PREPARED BY:
REASONFORREVISION:

Syntron Industries Pvt. Ltd.
Not applicable

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