

Safety data sheet
COMMISSION REGULATION (EU) No 453/2010 of 20
May 2010 amending Regulation (EC) No 1907/2006

Printing date 25.07.2015

Revision: 25.07.2015

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **Trade name: DOLOCOAT H**
- **CAS Number:**
27344-41-8
- **EINECS Number:** 248-421-0
- **Registration number** 05-2114092350-56-0000(REACH Pre-registration number)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Optical brightener for Coatings & Inks
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
PARAMOUNT MINERALS AND CHEMICALS LIMITED
231, A-Z Industrial Estate,
G. K. Marg, Lower Parel (w),
Mumbai – 400 013.
- **Further information obtainable from:**
Tel: (9122) 40982500
Fax: (9122) 40982590 / 24935420
Email: info@pmclindia.com
- **1.4 Emergency telephone number:**
Contact details of European importer
Emergency telephone number:
Telephone number of EU importer:
Opening hours:
Other Comments (e.g. language(s) of the phone service): English

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning

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· Hazard statements*H319 Causes serious eye irritation.***· Precautionary statements***P280 Wear protective gloves/protective clothing/eye protection/face protection.**P264 Wash thoroughly after handling.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P337+P313 If eye irritation persists: Get medical advice/attention.***· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****· 3.1 Chemical characterisation: Substances****· CAS No. Description***27344-41-8 Disodium 4,4'-bis(2-sulfostyryl)biphenyl***· Identification number(s)** 248-421-0**· Additional information:***Molecular formula : C₂₈-H₂₀-O₆-S₂.2Na**Molecular weight : 562.58***· SVHC** The substance is not in the list of SVHC substances**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:** Remove contaminated clothing.**· After inhalation:** Keep patient calm, remove to fresh air, seek medical attention.**· After skin contact:** Wash thoroughly with soap and water.**· After eye contact:***Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.***· After swallowing:***Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.***· 4.2 Most important symptoms and effects, both acute and delayed***Eye Contact: Causes serious eye irritation***· Information for doctor:***Treat according to symptoms (decontamination, vital functions), no known specific antidote.***· 4.3 Indication of any immediate medical attention and special treatment needed***Immediate medical attention is required.**Treat symptomatically*

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** water spray, foam, dry powder, carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** carbon oxides, sulfur oxides
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self contained breathing apparatus and protective clothing to avoid contact with eyes and skin.
- **Additional information**
The degree of risk is governed by the burning substance and the fire conditions.
Contaminated extinguishing water must be disposed of in accordance with official regulations

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear suitable protective clothing and gloves.
Remove persons from danger area.
Avoid dust formation. Use personal protective clothing.
- **6.2 Environmental precautions:**
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - 1) Breathing must be protected when large quantities are decanted without local exhaust ventilation.
 - 2) Check peroxide content before use.
 - 3) Avoid dust formation
- **Information about fire - and explosion protection:**
Protect against electrostatic charges.
Keep ignition sources away - Do not smoke.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep in dry container. Use only dry, clean utensils when handling.
- **Information about storage in one common storage facility:**
Store away from acids and oxidizing materials.
- **Further information about storage conditions:**
Store under lock and key and with access restricted to technical experts or their assistants only.
Keep container tightly closed and dry; store in a cool place
- **7.3 Specific end use(s)** Optical brightener for detergents.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
Chloroprene rubber, CR
PVC or Rubber gloves
Nitrile rubber, NBR
- **Penetration time of glove material** > 480 minutes

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Apron, protecting boots, chemical-protection suit**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:****Liquid****Colour:**

Yellowish to very Slightly Greenish

· **Odour:**

Characteristic

· **pH-value at 25-30 °C (1% aqueous solution):** 7.50-9.50· **Change in condition****Melting point/Melting range:**

>300 °C

Boiling point/Boiling range:

Undetermined.

· **Flash point:**

Not applicable.

· **Flammability (solid, gaseous):**

Product is not flammable.

· **Ignition temperature:**

315 °C

· **Self-igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Vapour pressure at 25 °C:**< 7 x 10⁻¹⁶ hPa· **Density at 25 °C:**1.10-1.20 g/cm³· **Solubility in / Miscibility with water at 20 °C:****Miscible**· **Partition coefficient (n-octanol/water) at 25 °C:**

-2.32 log POW (pH=6.8)

· **Viscosity:****Dynamic:**

Not applicable.

· **9.2 Other information**

No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
Keep away from heat, air and moisture.
- **10.3 Possibility of hazardous reactions** Reacts with oxidising agents.
- **10.4 Conditions to avoid** Incompatible materials
- **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:** Sulphur dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

| | | |
|--------|------|--|
| Oral | LD50 | > 2000 mg/kg (rat(Wistar)male/female) |
| Dermal | LD50 | > 10000 mg/kg (rat(Wistar)male/female) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:**
 TYPE OF TEST : Standard Draize test
 ROUTE OF EXPOSURE : Administration into the eye
 SPECIES OBSERVED : Rodent - rabbit
 DOSE/DURATION : 100 mg
 REACTION SEVERITY : Severe
- **Sensitisation:** No sensitising effects known.
- **Repeated dose toxicity**
 Repeated dose toxicity-Oral
 The study was performed in Albino rats(Male and female)
 NOAEL:226 mg/kg bw/day(Female)
 NOAEL:190 mg/kg bw/day(Male)
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 The substance does not exhibit CMR effects.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

| | |
|--------------|--------------------------------|
| EC50(24 hrs) | >1000 mg/l (Daphnia magna) |
| EC50(4-h) | > 1000 mg/L (activated sludge) |

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- **12.2 Persistence and degradability** no biodegradation observed in water.
- **12.3 Bioaccumulative potential**
 Bioaccumulation factor:
 BCF=<1
 Result: Non bioaccumulative
- **12.4 Mobility in soil**
 Soil Adsorption Coefficient:
 Koc = 33000000 (Estimated from MCI)
 Result: Non-mobile in soil
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
 07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|----------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Not applicable |

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- | | |
|---|-----------------|
| · 14.4 Packing group · ADR, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
Canada-DSL – Listed
China-NEPA (IECSC) – Listed
Japan-MITI – Listed
Philippines-PICCS – Listed
New Zealand (NZIoC) – Listed
Australia-AICS – Listed
TSCA-Listed
- **Substances of very high concern (SVHC) according to REACH, Article 57**
The substance is not listed as SVHC.

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15.2 Chemical safety assessment:*A Chemical Safety Assessment has not been carried out.***SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department.

- **Contact:**

Tel : (9122) 40982500

Fax: (9122) 40982590 / 24935420

Email : info@pmclindia.com

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

P: Marine Pollutant

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

- **Sources**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on

classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/ EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Data from ECHA registered dossier

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9ead8bc0-8de8-5b15-e044-00144f67d031/AGGR-106c4570-dcb3-4fdf-81ea-fa9ff6185631> [DISS-9ead8bc0-8de8-5b15-e044-00144f67d031.html](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9ead8bc0-8de8-5b15-e044-00144f67d031) GEN RESULTS HD

European waste catalogue and Hazardous waste list

- *** Data compared to the previous version altered.**

Section 1: Identification of substance and company

Section 3: composition/information of ingredients

Section 4: First-aid measures.

Section 5: Fire-fighting measures

Section 6: Accidental Release measures

Section 7: Handling and storage.

Section 8: Exposure Controls/Personal protection.

Section 9: Physical and Chemical properties.

Section 10: Stability and Reactivity.

Section 11: Toxicological Information.

Section 12: Ecological Information.

Section 13: Disposal consideration.

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Section 15:Regulatory information.
Section 16:Other information

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