

Novoperm Yellow HR 72

Page 1(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

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

1.1. Product identifier

Trade name

Novoperm Yellow HR 72

Material number: 233288

Chemical nature: C.I. Pigment Yellow 83

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Industry sector : Industrial Performance Chemicals
Paints, lacquers and varnishes industry
Polymers industry
Printing Inks Industry
Type of use : Colouring agent

1.3. Details of the supplier of the safety data sheet

Identification of the company

Heubach Colorants Germany GmbH
Brüningstraße 50
65929 Frankfurt am Main
Telephone no. : +49 69 305 13619

Information about the substance/mixture

Product Stewardship
e-mail: SDS.PI.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Novoperm Yellow HR 72

Page 2(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Dust can form an explosive mixture in air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Remarks : No hazardous ingredients

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Get medical advice/ attention if you feel unwell.

If inhaled : Move the victim to fresh air.

In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.

In case of eye contact : Immediately flush eye(s) with plenty of water.
If symptoms persist, call a physician.

If swallowed : If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet
Foam

Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
Dry powder

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:

Novoperm Yellow HR 72

Page 3(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Nitrogen oxides (NO_x)

Carbon dioxide (CO₂)

Carbon monoxide

Hydrogen chloride

Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.

5.3 Advice for firefighters

Special protective equipment : Self-contained breathing apparatus for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.
Avoid dust formation.
Remove all sources of ignition.
Keep away sources of ignition, stop running engines, no smoking.
Moisten spilled material with water, cover with wet sand or wetted binder, then take up.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Avoid dust formation.
Take measures to prevent the build up of electrostatic charge.
Use mechanical handling equipment.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : When used and handled appropriately no special measures

Novoperm Yellow HR 72

Page 4(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

are needed
Avoid dust formation.

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Dust can form an explosive mixture in air.

Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

Dust explosion class : St2

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep container dry.

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
C.I. Pigment Yellow 83 CAS-No.: 5567-15-7	Workers	Dermal	Long-term systemic effects	45 mg/kg bw/day
Remarks:DNEL				
	Workers	Inhalation	Long-term local effects	3 mg/m3
Remarks:DNEL				
	General population	Dermal	Long-term systemic effects	28 mg/kg bw/day
Remarks:DNEL				
	General population	Oral	Long-term systemic effects	28 mg/kg bw/day
Remarks:DNEL				

8.2 Exposure controls

Engineering measures

Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment

Eye/face protection : Safety glasses

Hand protection

Novoperm Yellow HR 72

Page 5(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Remarks	:	Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Skin and body protection	:	working clothes
Respiratory protection	:	Wear dust mask when handling large quantities
Protective measures	:	Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	powder
Colour	:	yellow
Odour	:	not specified
Odour Threshold	:	not required
Melting point	:	not determined
Boiling point	:	Not applicable
Flammability	:	Not classified as a flammability hazard
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	340 °C Heating rate: 3 K/min Decomposition energy (mass): 580 kJ/kg Method: DTA closed cup
pH	:	5,5 - 8,5 GLP: no
Viscosity Viscosity, dynamic	:	Not applicable
Solubility(ies) Water solubility	:	< 0,02 mg/l (20 °C)

Novoperm Yellow HR 72

Page 6(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Solubility in other solvents	:	GLP: no The data refer to the colourant 0,0085 mg/l(25 °C) Solvent: 1-octanol GLP: no The data refer to the colourant
Partition coefficient: n-octanol/water	:	not determined
Vapour pressure	:	Not applicable
Relative density	:	no data available
Density	:	1,51 g/cm ³ (20 °C) GLP: no
Bulk density	:	300 kg/m ³ (20 °C)
Relative vapour density	:	Not applicable
Particle characteristics Particle size	:	7 µm Method: Laser diffraction with dispersion in dry air. Median value
9.2 Other information		
Explosives	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement
Flammable solids Burning number	:	5 (20 °C) GLP: no Complete combustion with flames
Self-ignition	:	330 °C Method: VDI 2263 (Grewer) GLP: no
Self-heating substances	:	Quantity: 360 g 1.000 cm ³ Storage temperature: 200 °C Critical temperature: 205 °C(126 min) GLP: no
Substances and mixtures, which in contact with water, emit flammable gases	:	Method: Expert judgement The substance or mixture does not emit flammable gases in contact with water.

Novoperm Yellow HR 72

Page 7(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Metal corrosion rate	:	Not corrosive to metals
Dust deflagration index (Kst)	:	219 m.b./s GLP: no
Dust explosion class	:	St2
Evaporation rate	:	Not applicable
Minimum ignition energy	:	12 - 17 mJ with inductive electrical resistance
Molecular weight	:	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.Stable

10.4 Conditions to avoid

Conditions to avoid : ignition
sparks
Avoid processing temperatures in polymers above 392 F (200 C) thermal decomposition can form traces of aromatic amines. 3,3' dichloro-benzidine may be formed at temperatures above 392 F (200 C).

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

This product contains a diarylide pigment. This product should not be used in polymers if the processing temperature exceeds 200 °C because of possible thermal decomposition, which can form e.g. traces of aromatic amines. 3,3'-Dichloro-benzidine may be formed at temperatures above 200 °C.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity : Remarks: no data available

Novoperm Yellow HR 72

Page 8(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Remarks : no data available

Serious eye damage/eye irritation

Product:

Remarks : no data available

Respiratory or skin sensitisation

Product:

Result : Did not cause sensitisation on laboratory animals.

Remarks : By analogy with a product of similar composition

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: no data available

Carcinogenicity

Product:

Carcinogenicity - Assessment : No information available.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No information available.

No information available.

STOT - single exposure

Product:

Remarks : no data available

STOT - repeated exposure

Product:

Remarks : no data available

Repeated dose toxicity

Product:

Novoperm Yellow HR 72

Page 9(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

Remarks : This information is not available.

Aspiration toxicity

Product:

no data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 10 mg/l
End point: Reproduction rate
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
GLP: yes

Toxicity to microorganisms : Remarks: no data available

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Novoperm Yellow HR 72

Page 10(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Environmental fate and pathways : no data available

Additional ecological information : no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging : This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

Novoperm Yellow HR 72

Page 11(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

Date of printing : 06.03.2023

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	: Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -

Novoperm Yellow HR 72

Page 12(12)

Substance key: 000000555496

Revision Date: 13.02.2023

Version : 7 - 1 / EU

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Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : This product contains a diarylide pigment. This product should not be used in polymers if the processing temperature exceeds 200 °C because of possible thermal decomposition, which can form e.g. traces of aromatic amines. 3,3'-Dichlorobenzidine may be formed at temperatures above 200 °C.

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