

Product Information Sheet

Commercial Product Name: HEUCODUR Yellow 5R (C)

Article-No.: 1001164

Revision Date: 11.04.2023

Replaces version from: 23.08.2018

Version: 4.1/en

Print date: 05.03.2026



1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Commercial Product Name	HEUCODUR Yellow 5R (C)
EINECS name	chrome antimony titanium buff rutile
CAS no.	68186-90-3
EC-No.	269-052-1
REACH registration number	01-2119491294-33-0002

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

Relevant identified uses	As no exposure scenarios according to Article 14.4 of Regulation (EC) 1907/2006 are required no detailed information on use is given. Most common technical function of substance (what it does): Pigment ; Industrial uses, Professional use Remarks: The substance is contained in consumer products. The substance is contained in articles handled by consumers. No uses advised against.
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Details of the supplier of the safety data sheet

Company designation	Sudarshan Langelsheim PLT GmbH Heubachstrasse 7 D-38685 Langelsheim Telephone: +49(0)5326-52-0 FAX: +49(0)5326-52-213 Email: - Internet: www.heubach.com
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Emergency telephone number

Giftinformationszentrum-Nord: Telephone: +49(0)551-19240 (German/English)

2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].
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Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]	The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].
Further information	Voluntary product information following the Safety Data Sheet format. This document has been created to pass on relevant information required under Article 32 REACH.

Other hazards

Article 59(1) - endocrine disrupting properties	The substance/mixture does not contain any constituents that are classified as hazardous according to REACH Article 57(f) or Commission Delegated Regulation
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(EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more endocrine disrupting properties.

Particular information pertaining specific risk for human / environment No risks worthy of mention.

Results of PBT and vPvB assessment This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

3. Composition/information on ingredients

3.1 Substances

CAS no.	68186-90-3
EC-No.	269-052-1
	01-2119491294-33-0002
Chemical characterization	C.I.Pigment Brown 24

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities, in accordance with EU or national regulations should be referred to in Section 3.

SECTION 4: First aid measures

Description of first aid measures

General advice	Get medical advice/attention if you feel unwell.
If inhaled	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
In case of skin contact	Gently wash with plenty of soap and water.
In case of eye contact	Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.
If swallowed	Rinse mouth thoroughly with water. When in doubt or if symptoms are observed, get medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Immediate medical attention Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media	Extinguishing powder Water spray jet In case of major fire and large quantities: Water spray jet, alcohol resistant foam
Extinguishing media which must not be used for safety reasons	Carbon dioxide

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Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.
Avoid breathing dust/fume/gas/mist/vapours/spray.

Advice for firefighters

Special protective equipment for fire-fighting

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear personal protection equipment (refer to section 8).
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Environmental precautions

Environmental precautions

Do not allow to enter into surface water or drains.
If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods and material for containment and cleaning up

Methods for cleaning up

Wet clean or vacuum up solids.
Collect in closed and suitable containers for disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing.
If the formation of dust is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.
Wear eye glasses with side protection according to EN 166.
When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Keep only in the original container. Store in a well-ventilated place. Keep container tightly closed.

TRGS 510

Storage class 13

Specific end use(s)

Specific use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

Control parameters

chrome antimony titanium buff rutile

DNEL	Target group	Exposure route	Remarks	Source
4 mg/m ³	DNEL worker	inhalative	DNEL long-term inhala-tive (local)	REACH Dossier
3 mg/m ³	DNEL Consumer	inhalative	DNEL long-term inhala-tive (local)	REACH Dossier

PNEC	Target group	Exposure route	Source
0,1 mg/L	Daphnia magna	PNEC aquatic, freshwater	REACH Dossier
0,01 mg/L	Daphnia magna	PNEC aquatic, marine water	REACH Dossier
1000 mg/L	Pseudomonas putida	PNEC sewage treatment plant (STP)	REACH Dossier
1 mg/L	Daphnia magna	PNEC sporadic release	REACH Dossier
not applicable		PNEC sediment, marine wa-ter; PNEC sediment, freshwa-ter	REACH Dossier
not applicable		PNEC soil	REACH Dossier

dust

Germany				
Value / mg/m ³	Remarks	Issuing date	Ceiling Limit Value	Source
1,25	AGS; alveolar fraction	02/14		TRGS 900
10	AGS; Inhalable fraction	02/14	2(II)	TRGS 900

Exposure controls

Respiratory protection	If the formation of dust is beyond the occupational exposure limit values, ap-proved and suitable respiratory protection must be used.
Hand protection	By short-term hand contact: Hand protection is not required By long-term hand contact: Wear suitable gloves.
Suitable material	NBR (Nitrile rubber) Leather See information supplied by the manufacturer.
Eye protection	Wear eye glasses with side protection according to EN 166.
General protective and hygiene mea-sures	Provide adequate ventilation as well as local exhaust at critical locations.
Consumer exposure controls	See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form	Powder
Physical state	solid
Colour	yellow
Odour	characteristic

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Odour threshold	not determined
Melting point [°C] / Freezing point [°C]	>1000
Boiling point [°C]	not applicable
Boiling range [°C]	not applicable
Flammability	not determined
Explosion limits [Vol-%]	
Lower limit	not applicable
Upper limit	not applicable
Flash point [°C]	not determined
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined
pH	
Temperature [°C]	20 °C
Concentration	100 g/L in aqueous solution 7 - 9
Viscosity, kinematic [mm ² /s]	not applicable
Viscosity, dynamic [kg/(m s)]	not applicable
Water solubility [g/l]	<0,1
Partition coefficient n-octanol /water (log P O/W)	not determined
Vapour pressure [kPa]	not applicable
Density [g/cm ³]	4,4
Relative density	not determined
Relative density of a vapour / air mixture (saturated)	not determined
Relative vapour density (air=1)	not applicable
particle properties	not determined

SECTION 10: Stability and reactivity

Reactivity

Reactivity No information available.

Chemical stability

Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

Possibility of hazardous reactions

Hazardous reactions No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

Conditions to avoid No information available.

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Incompatible materials

Materials to avoid No information available.

Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

Information on the hazard classes within the meaning of Regulation (EU) No. 1272/2008

Oral toxicity [mg/kg]	>10000
Test criterion	LD50:
Test species	Rat
Test method	OECD 401
Dermal toxicity [mg/kg]	not relevant
Inhalative toxicity [mg/l]	not relevant
Irritant effect on skin	Not an irritant.
Test species	Rabbit
Exposure duration [h]	24 h
Irritant effect on eyes	Not an irritant.
Irritant effect on the respiratory tract	Not an irritant.
Sensitization	The substance is not bioavailable and leachable fractions of metal ions are regarded as of no concern for skin sensitisation. The dermal exposure pathway is assessed as not relevant.
Mutagenicity	No indications of mutagenic toxicity from experimental results. The substance is considered as not bioavailable.
Carcinogenic effects	No relevant data available for the determination of the carcinogenic potential.
Reproduction toxicity	No indications were given for a toxic potential on reproduction or development. Endpoint is not relevant for non-bioavailable substances.
Specific target organ toxicity (single exposure) [mg/kg]	
Remarks	No information available.
Specific target organ toxicity (repeated exposure) [mg/kg]	
Remarks	There is no need for classification for the substance, which is considered as not bioavailable.
Aspiration hazard	not applicable

Information about other hazards

Endocrine disrupting properties The substance/mixture does not contain any constituents that are classified as hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more endocrine disrupting properties.

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SECTION 12: Ecological information

Toxicity

Toxicity to fish [mg/l]	>10000
Test criterion	LC50:
Test species	Leuciscus idus (golden orfe)
Measuring method	DIN 38412 / part 15
Exposure duration [h]	96h
Remarks	freshwater
Toxicity to daphnia [mg/l]	>100
Test criterion	EC50
Test species	Daphnia magna (Big water flea)
Exposure duration [h]	48h
Measuring method	OECD 202
Remarks	freshwater
Toxicity to algae [mg/l]	>100
Test criterion	ErC50:
Test species	Desmodesmus subspicatus.
Exposure duration [h]	72h
Measuring method	OECD 201
Remarks	freshwater

Persistence and degradability

Biodegradability not applicable

Bioaccumulative potential

Bioaccumulation This product is an inorganic substance. Due to its very low water solubility and its inert character the substance is not expected to be bioavailable to sediment and terrestrial organisms.

Mobility in soil

Mobility
Mobility not relevant

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

Endocrine disrupting properties

Harmful effects on the environment The substance/mixture does not contain any constituents that are classified as hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more endocrine disrupting properties.

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SECTION 13: Disposal considerations

Waste treatment methods

Disposal considerations	Send to a hazardous waste incinerator facility under observation of official regulations. Check for possible recycling.
Waste Code	08 01 12 waste paint and varnish other than those mentioned in 08 01 11
Uncleaned empty packaging	Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	Kein Gefahrgut nach ADR	Kein Gefahrgut nach IMDG	Kein Gefahrgut nach IATA
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
UN proper shipping name	Kein Gefahrgut nach ADR	Non dangerous good	Non dangerous good

Special precautions for user

Precautions No special measures are necessary.

Bulk transport by sea according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

SECTION 15: Regulatory information

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

Additional regulations	No information available.
Water Hazard Class (Ger.)	non-hazardous to water (nwg)
References to substance in ordinances, regulations and information sheets	REACH ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES Entry 75

Chemical safety assessment

Safety assessment For this substance a chemical safety assessment has been carried out. Nevertheless no Exposure scenarios have been derived, since the substance is not classified as hazardous.

16. Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

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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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

PP: Severe Marine Pollutant

P: Marine Pollutant

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organization for Standardization

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.