

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 19.12.2023 Revision date: 19.12.2023 Supersedes version of: 24.10.2021 Version: 4.0

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

1.1. Product identifier	
Product form	: Mixture
Product name	: Zinc-containing paints
Product code	: A2, A5, A6, B7, B8, B40, D44, A73, B103, B106, B109, B112, B115, B175, B208, C247, B253, B256, B259, B265, B271, B274, B277, B283, B289, A313, A358, A361, A364
Other means of identification	Zinc White, Mixed White, Old Holland Yellow Light, Old Holland Yellow Medium, Old Holland Yellow Deep, Scheveningen Blue Light, Cadmium Green Light, Brilliant Yellow Light, Brilliant Yellow, Brilliant Yellow Reddish, Napels Yellow Reddish Extra, Brilliant Pink, Old Holland Violet Grey, Old Holland Cyan Blue, Kings Blue Deep, Kings Blue Light, Old Holland Blue Grey, Turquoise Blue Deep, Permanent Green Deep, Emerald Green, Permanent Green Light, Old Holland Yellow Green, Permanent Green, Napels Yellow Extra, Davy's Grey, Old Holland Warm Grey Light, Old Holland Cold Grey

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

1.2.1. Relevant identified uses

Main use category
Use of the substance/mixture

: Professional use : Dyestuff/pigment

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Old Holland Classic Colours Since 1664 Nijendal 36 3972 KC Driebergen Rijsenburg Nederland T 0031 343 518 224 - F 0031 343 516 342 info@oldholland.com - www.oldholland.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H411 Category 2

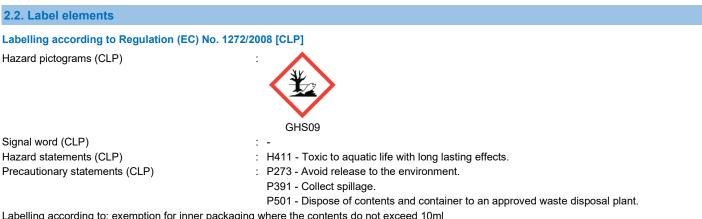
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Toxic to aquatic life with long lasting effects.

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Labelling according to: exemption for inner packaging where the contents do not exceed 10ml No labelling required

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT and/or vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name		Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
zinc oxide	CAS-No.: 1314-13-2 EC-No.: 215-222-5 EC Index-No.: 030-013-00-7 REACH-no: 01-2119463881- 32	20 – 25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. First-aid measures after skin contact Take off contaminated clothing. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. First-aid measures after eye contact Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion · Rinse mouth. Do not induce vomiting without medical advice. Call a POISON CENTER/doctor if you feel unwell.

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4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide. Sand.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Hazardous decomposition products in case of fire	 Presents no particular fire or explosion hazard. Toxic fumes may be released. For further information, refer to section 10 : "Stability and Reactivity". 	
5.3. Advice for firefighters		
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.	
Protection during firefighting Other information	 Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Prevent fire fighting water from entering the environment. 	

SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
For containment Methods for cleaning up Other information	 Collect spillage. Mechanically recover the product. Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 8 :" Exposure-controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling :	Ensure good ventilation of the work station. Wear personal protective equipment. Concerning personal protective equipment to use, see item 8.

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Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids. Strong oxidizing agents.
Heat and ignition sources	: Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Avoid all unnecessary exposure.

9.1. Information on basic physical and cl	hemical properties
Physical state	: Solid
Colour	: various colors.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
рН	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2.1. Information with regard to physical hazard classes

No additional information available 9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Strong bases. Strong acids. Strong oxidation agent.

10.6. Hazardous decomposition products

May liberate toxic gases. Combustion generates: Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on hazard classes	as defined in Regulation (EC) No 1272/2008
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified
zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/m ³
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5700 mg/m³ (Exposure time: 4 h)
LC50 Inhalation - Rat (Dust/Mist)	> 5,7 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
(acute)	Toxic to aquatic life with long lasting effects. Not classified Toxic to aquatic life with long lasting effects.
zinc oxide (1314-13-2)	
LC50 - Fish [1]	1,1 – 2,5 ppm
EC50 - Crustacea [1]	1 mg/l
EC50 72h - Algae [1]	0,17 mg/l
NOEC (chronic)	0,017 mg/l
12.2. Persistence and degradability	

No additional information available

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12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
Zinc-containing paints
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Product/Packaging disposal recommendations Additional information	 Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

n accordance with ADR / IMDG / IATA / ADN / RID					
ADR	IMDG IATA		ADN	RID	
14.1. UN number or ID n	14.1. UN number or ID number				
UN 3077	UN 3077 UN 3077 UN 3077		UN 3077		
14.2. UN proper shippin	g name				
ENVIRONMENTALLYENVIRONMENTALLYENVIRONMENTALLYENVIRONMENTALLYHAZARDOUSHAZARDOUSHAZARDOUSHAZARDOUSHAZARDOUSSUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCE, SOLID,N.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincoxide)oxide)oxide)oxide)oxide)oxide)oxide)oxide)				HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS ; zinc	
Transport document descr	Transport document description				
ENVIRONMENTALLYENVIRONMENTALLYENVIRONMENTALLYENVIRONMENTALLYENVIRONMENTALLYHAZARDOUSHAZARDOUSHAZARDOUSHAZARDOUSHAZARDOUSSUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCE, SOLID,SUBSTANCN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zincN.O.S. (CONTAINS ; zinc		UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS ; zinc oxide), 9, III			
14.3. Transport hazard class(es)					
9	9	9	9	9	

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.4. Packing group			I	I
		Ш	Ш	Ш
14.5. Environmental hazaro	ds			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information a	vailable			
14.6. Special precautions for	or user			
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container Portable tank and bulk container Ortable tank and bulk container (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - E Special provisions for carriage - E Special provisions for carriage - L and handling (ADR) Hazard identification number (Ket Orange plates	: 5kg : E1 : P00 : PP : MP instructions (ADR) : T1, special provisions : TP : SG : AT : 3 Packages (ADR) : V1: Bulk (ADR) : VC Loading, unloading : CV	4, 335, 375, 601 9 02, IBC08, LP02, R001 12, B3 10 BK1, BK2, BK3 33 AV, LGBV 3 1, VC2		
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC special provisions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) MFAG-No	: 5 k : E1 : P00 G) : PP : IBC : B3	22, LP02 12 008 BK1, BK2, BK3 33 A 22 /23		
Air transport PCA Excepted quantities (IATA)	· F1			

PCA Excepted quantities (IATA)

PCA Limited quantities (IATA)

: E1

: Y956

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PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197
ERG code (IATA)	: 9L
Inland waterway transport	
Classification code (ADN)	: M7
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 kg
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, A
Number of blue cones/lights (ADN)	: 0
Additional requirements/Remarks (ADN)	: * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. ** * Only in the case of
	transport in bulk.
Rail transport	
Classification code (RID)	: M7
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5kg
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P002, IBC08, LP02, R001
Special packing provisions (RID)	: PP12, B3
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T1, BK1, BK2
Portable tank and bulk container special provisions	: TP33
(RID)	
Tank codes for RID tanks (RID)	: SGAV, LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W13
Special provisions for carriage – Bulk (RID)	: VC1, VC2
Special provisions for carriage - Loading, unloading	: CW13, CW31
and handling (RID)	
Colis express (express parcels) (RID)	: CE11
Hazard identification number (RID)	: 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

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Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Netherlands

ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
	Issue date	Modified	
1.1	Product code	Modified	
1.1	Other means of identification	Added	
1.1	Name	Modified	

Abbreviations and acronyms:		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
CAS	CAS (Chemical Abstracts Service) number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
	CMR: Carcinogeen, Mutageen, Reprotoxisch	
	CSA: Chemical Safety Assessment	
	CSR: Chemical Safety Report	
DNEL	Derived-No Effect Level	

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Abbreviation	s and acronyms:		
	EC50: Median Effective Concentration (required to induce a 50% effect)		
	EINECS: European Inventory of Existing Commercial Chemical Substances		
	GHS: Globally Harmonized System of Classification and Labelling of Chemicals		
	IATA: International Air Transport Association		
	IMDG: International Maritime Code for Dangerous Goods		
	LC50: Lethal concentration, 50 percent		
	LD50: Lethal dose, 50 percent		
РВТ	Persistent Bioaccumulative Toxic		
	PNEC: Predicted No Effect Concentration (for environment)		
	REACH: Registration, Evaluation and Authorisation of Chemical substances		
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)		
	SVHC: Substances of Very High Concern		
vPvB	Very Persistent and Very Bioaccumulative		

Data sources

Other information

: ECHA (European Chemicals Agency). according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

: REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411 Toxic to aquatic life with long lasting effects.		

 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

 Aquatic Chronic 2
 H411
 Calculation method

The classification complies with

: ATP 12

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