

Page 1/12

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.01.2021 Revision: 18.01.2021

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

- · 1.1 Product identifier :SKU 89221, 89222, 89223, 89224, 89225, 89226, 89227, 89228, 89229, 89230, 89231, 89232, 89233, 89234
- · Trade name: Directorust Gloss Colours
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixture Surface Coating
- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

JENOLITE UK LTD

- · CHATER LEA BUILINGS
- · ICKNIELD WAY
- · LETCHWORTH
- · HERTFORDSHIRE
- · SG6 1WT
- · UNITED KINGDOM TEL: +44 (0)1234 924 794
- · EMAIL: sales@jenolite.com
- ·· 1.4 Emergency telephone number: +44 (0)1234 924 794(b siness hours)

SECTION 2: Hazards identification

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

Flam. Liq. 3 H226 Flammable liquid and vapour. STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms









GHS02

GHS07

7 GHS08

GHS09

· Signal word Danger

· Hazard-determining components of labelling:

Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

· Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

(Contd. on page 2)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 1)

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

[or shower].

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Additional information:

Contains phthalic anhydride, cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable. · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
EC number: 919-446-0 Reg.nr.: 01-2119458049-33-xxxx	Hydrocarbons, C9-12, n-alkanes, isoalkanes,cyclics, aromatics (2-25%) ♦ Flam. Liq. 3, H226; ♦ STOT RE 1, H372; Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H336	>10- ≤ 25%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33-xxxx	Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	>10- ≤ 25%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ♦ Flam. Liq. 3, H226; ♦ STOT SE 3, H336	>2.5- ≤ 10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Solvent naphtha (petroleum), light aromatic ◆ Flam. Liq. 3, H226; ◆ Asp. Tox. 1, H304; ◆ Aquatic Chronic 2, H411; ◆ STOT SE 3, H335-H336	>2.5- ≤ 10%
CAS: 7429-90-5 EINECS: 231-072-3	aluminium powder (stabilised) The Flam. Sol. 2, H228; Water-react. 2, H261	>1- ≤ 2.5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	Xylene (mix) ♠ Flam. Liq. 3, H226; ♠ STOT RE 2, H373; Asp. Tox. 1, H304; ♠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	>1- ≤ 2.5%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt bis(2-ethylhexanoate) Repr. 1B, H360F; Aquatic Acute 1, H400; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	<i>≤</i> 1%
CAS: 22464-99-9 EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	2-ethylhexanoic acid, zirconium salt	<i>≤</i> 1%

(Contd. of page 2)

≤1%

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

Reg.nr.: 01-2119457017-41

CAS: 85-44-9 phthalic anhydride EINECS: 201-607-5 Resp. Sens. 1. F.

Resp. Sens. 1, H334; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant 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 agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 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

Keep receptacles tightly sealed.

Ensure good ventilation/extraction at the workplace.

(Contd. on page 4)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 3)

Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risk of fires, all contaminated materials should be [stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.] or [laid out flat in a single layer to dry] or [placed in a metal container soaked with water] or [washed out well with warm soapy water before disposal.] Contaminated materials should be removed from the workplace at the end of each working day and stored outside.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed and in a well-ventilated place.

Keep away from heat.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.

· 8.1 C	ontrol parameters				
·Ingre	dients with limit values that require monitoring at the workplace:				
Hydro	ocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics,				
<2%	aromatics				
OEL	OEL Short-term value: 1200 mg/m³				
108-6	5-6 2-methoxy-1-methylethyl acetate				
WEL	Short-term value: 548 mg/m³, 100 ppm				
	Long-term value: 274 mg/m³, 50 ppm				
	Sk				
Solve	nt naphtha (petroleum), light aromatic				
OEL	Long-term value: 100 mg/m³				
7429-	90-5 aluminium powder (stabilised)				
WEL	Long-term value: 10* 4** mg/m³				
	*inhalable dust ** respirable dust				
1330-	20-7 Xylene (mix)				
WEL	Short-term value: 441 mg/m³, 100 ppm				
	Long-term value: 220 mg/m³, 50 ppm				

136-52-7 cobalt bis(2-ethylhexanoate)

WEL Long-term value: 0.1 mg/m³ as Co; Carc, Sen

Sk; BMGV

(Contd. on page 5)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

85-44-9 pl	nthalic (ontd. of pa
-		value: 12 mg/m³	
Long-term value: 4 mg/m ³			
Sen			
DNELs			
Hydrocarl	ons, C	9-12, n-alkanes, isoalkanes,cyclics, aromatics (2-25%)	
Oral	DNEL	26 mg/day (Con)	
Dermal	DNEL	26 mg/day (Con)	
		44 mg/day (Ind)	
Inhalative	DNEL	71 mg/m³ (Con)	
		$330 \text{ mg/m}^3 \text{ (Ind)}$	
		9 - C11, n-alkanes, isoalkanes, cyclics,	
<2% arom		125 /1 /C)	
Oral		125 mg/day (Con)	
Dermal	DNEL	125 mg/day (Con)	
T 1 1	DMEI	208 mg/day (Ind)	
Inhalative	DNEL	$185 \text{ mg/m}^3 (Con)$	
100 (8 (4		871 mg/m³ (Ind)	
		oxy-1-methylethyl acetate	
Oral		1.67 mg/day (Con)	
Dermal	DNEL	54.8 mg/day (Con)	
		153.5 mg/day (Ind)	
Inhalative	DNEL	$33 \text{ mg/m}^3 \text{ (Con)}$	
		$275 \text{ mg/m}^3 \text{ (Ind)}$	
	•	(petroleum), light aromatic	
Oral		11 mg/day (Con)	
Dermal	DNEL	11 mg/day (Con)	
		25 mg/day (Ind)	
Inhalative	DNEL	$32 \text{ mg/m}^3 (Con)$	
		$150 \text{ mg/m}^3 \text{ (Ind)}$	
		nium powder (stabilised)	
Oral		3.95 mg/day (Con)	
		$3.72 \text{ mg/m}^3 \text{ (Ind)}$	
<i>1330-20-7</i>	. •		
Dermal	DNEL	108 mg/day (Con)	
		180 mg/day (Ind)	
Inhalative	DNEL	$14.8 \text{ mg/m}^3 \text{ (Con)}$	
		$77 \text{ mg/m}^3 \text{ (Ind)}$	

PNECs
CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg Sediment (Marinewater); 12.46 mg/kg

(Contd. on page 6)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 5)

- Soil; 2.31 mg/kg

· Ingredients with biological limit values:

1330-20-7 Xylene (mix)

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

- · Additional information: The lists valid during the making were used as basis.
- · 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.

Store protective clothing separately.

- Respiratory protection: When spraying the product, use a respiratory protective device.
- Protection of hands:



Protective gloves

· Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid

Colour: According to product specification

Odour: CharacteristicOdour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined. **Initial boiling point and boiling range:** 139 °C

· Flash point: >28 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: >230 °C

· **Decomposition temperature:** Not determined.

· Auto-ignition temperature: Product is not selfigniting.

(Contd. on page 7)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

	(Contd. of page
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapoumixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	7 Vol %
· Vapour pressure at 20 °C:	2 hPa
· Density at 20 °C:	0.949 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	200 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	50.5 %
Solids content:	49.5 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products when stored and handled correctly

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

110mic tom	Tene toxicity Buseu on available data, the etassification efficited are not met.		
· LD/LC50 v	· LD/LC50 values relevant for classification:		
Hydrocarb	Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
Oral	LD50	>15,000 mg/kg (Rat)	
Dermal	LD50	>3,400 mg/kg (Rab)	
Inhalative	LC50/4 h	13.1 mg/l (Rat)	
	Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5,000 mg/kg (Rat)	

(Contd. on page 8)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

		(Contd. of page 7)	
Dermal	LD50	>5,000 mg/kg (Rat)	
108-65-6 2	108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	>5,000 mg/kg (rat)	
Dermal	LD50	5,000 mg/kg (Rat)	
Inhalative	LC50/4 h	>10.8 mg/l (Rat)	
Solvent na	Solvent naphtha (petroleum), light aromatic		
Oral	LD50	3,492 mg/kg (rat)	
Dermal	LD50	3,160 mg/kg (Rab)	
Inhalative	LC50/4 h	>6.193 mg/l (rat)	
7429-90-5	7429-90-5 aluminium powder (stabilised)		
Oral	LD50	15,900 mg/kg (rat)	
1330-20-7	1330-20-7 Xylene (mix)		
Oral	LD50	5,000 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (rbt)	
Inhalative	LC50/4 h	11 mg/l (Rat)	

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure

May cause drowsiness or dizziness.

- · STOT-repeated exposure
- Causes damage to organs through prolonged or repeated exposure.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:

Acute Fish toxicity

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

LC50 9.22 mg/l

Species: Oncorhynchus mykiss (rainbow trout)

Exposure duration: 96 h

Acute toxicity for daphnia

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

EC50 6.14 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Acute toxicity for algae

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

ErC50 2.9 mg/l

Species: Pseudokirchneriella subcapitata (green algae)

Exposure duration: 72 h

(Contd. on page 9)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 8)

Acute bacterial toxicity

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

 $EC50 1 - 10 \, mg/l$

Ecotoxicology Assessment

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

Chronic aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Data based on the safety data sheet (SDS) by the supplier.

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- General notes:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

· 14.1 UN-Number · ADR, IMDG, IATA	UN1263
· 14.2 UN proper shipping name	
· ADR	1263 PAINT RELATED MATERIAL, ENVIRONMENTALL
	HAZARDOUS
· IMDG	PAINT RELATED MATERIAL (TURPENTINE SUBSTITUTE
	Solvent naphtha (petroleum), light aromatic), MARIN
	POLLUTANT
·IATA	PAINT RELATED MATERIAL

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 9) · 14.3 Transport hazard class(es) · ADR, IMDG · Class 3 Flammable liquids. ·Label \cdot IATA · Class 3 Flammable liquids. · Label · 14.4 Packing group III· ADR, IMDG, IATA · 14.5 Environmental hazards: Product contains environmentally hazardous substances: Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)· Marine pollutant: Symbol (fish and tree) · Special marking (ADR): Symbol (fish and tree) · 14.6 Special precautions for user Warning: Flammable liquids. · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E· Stowage Category A· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: · Limited quantities (LQ) 5L· Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · Transport category 3 · Tunnel restriction code D/E· IMDG · Limited quantities (LQ) 5L· Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · UN "Model Regulation": UN 1263 PAINT RELATED MATERIAL, 3, III, **ENVIRONMENTALLY HAZARDOUS**

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 10)

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · National regulations:
- · Technical instructions (air):

Class	Share in %
I	0.2
NK	50.5

- · Waterhazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.
- · 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.

- · Full text of H-Statements referred to under sections 2 and 3:
- H226 Flammable liquid and vapour.
- H228 Flammable solid.
- H261 In contact with water releases flammable gases.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H360F May damage fertility.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- · Department issuing SDS: Product safety department: LABORATORY

(Contd. on page 12)

Printing date 18.01.2021 Revision: 18.01.2021

Trade name: Directorust Gloss Colours

(Contd. of page 11)

· 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids - Category 3 Flam. Sol. 2: Flammable solids – Category 2

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases - Category 2

Acute Tox. 4: Acute toxicity - dermal - Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3