SAFETY DATA SHEET

LEFRANC & BOURGEOIS DORURES LIQUIDES / LIQUID GILDING RICH & PALE GOLD, PEWTER, BRASS, FLORENTINE, CLASSIC AND RENAISSANCE

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	LEFRANC & BOURGEOIS DORURES LIQUIDES / LIQUID GILDING RICH & PALE GOLD, PEWTER, BRASS, FLORENTINE, CLASSIC AND RENAISSANCE		
1.2. Relevant identified uses o	f the substance or mixture and uses advised against		
Identified uses	Craft Colour		
Uses advised against	No specific uses advised against are identified.		
1.3. Details of the supplier of the	he safety data sheet		
Supplier	ColArt International Holdings Ltd. The Studio Building 21 Evesham Street London W11 4AJ United Kingdom +44 (0)208 424 3200 R.Enquiries@colart.co.uk		
Contact person	Regulatory Manager		
Manufacturer	ColArt International SA 5 Rue Rene Panhard Z.I .Nord 72021 Le Mans Cedex 2 +33 2 43 83 83 00		
1.4. Emergency telephone nur	nber		
Emergency telephone	+44 (0)208 424 3200 This telephone number is available during office hours only 09:00 to 17:00 GMT Language English.		
SECTION 2: Hazards identification	ation		
2.1. Classification of the subst	ance or mixture		
Classification			
Physical hazards	Flam. Liq. 3 - H226		
Health hazards	STOT SE 3 - H336		
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		
Classification (67/548/EEC or 1999/45/EC)	R10,R66,R67.		

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements	H226 Flammable liquid and vapor H336 May cause drowsiness or H400 Very toxic to aquatic life. H411 Toxic to aquatic life with lo EUH208 Contains BUTYL METH	dizziness.
Precautionary statements	smoking. P240 Ground/bond container an P241 Use explosion-proof electr P242 Use only non-sparking too P243 Take precautionary measu P261 Avoid breathing vapour/sp P271 Use only outdoors or in a v P273 Avoid release to the enviro P280 Wear protective gloves/pro P303+P361+P353 IF ON SKIN (Rinse skin with water/shower. P304+P340 IF INHALED: Remo P312 Call a POISON CENTER/o P370+P378 In case of fire: Use f P391 Collect spillage. P403+P233 Store in a well-venti P403+P235 Store in a well-venti P405 Store locked up.	rical equipment. bls. ures against static discharge. bray. well-ventilated area. onment. otective clothing/eye protection/face protection. (or hair): Take off immediately all contaminated clothing. by person to fresh air and keep comfortable for breathing. by person to fresh air and keep comfortable for breathing. by person to fresh air and keep comfortable for breathing. by person to fresh air and keep comfortable for breathing. by person to fresh air and keep comfortable for breathing. by the person dioxide, dry powder or water fog to extinguish. tilated place. Keep container tightly closed.
Supplemental label information	EUH066 Repeated exposure ma	ay cause skin dryness or cracking.
Contains	Hydrocarbons, C9-C11, < 2% ar	romatics
2.3. Other hazards		
This product does not contain a	any substances classified as PBT	「or vPvB.
SECTION 3: Composition/infor	mation on ingredients	
3.2. Mixtures		
Hydrocarbons, C9-C11, < 2%	aromatics	30-60%
CAS number: 64742-48-9	EC number: 919-857-	
070 Humber, 04/42-40-9		7-5 REACH registration number: 01- 2119463258-33-xxxx
Classification		Classification (67/549/EEC or 1000/45/EC)
Flam. Liq. 3 - H226		Classification (67/548/EEC or 1999/45/EC) Xn;R65. R10,R66,R67.
1 IGHT. LIY. 0 11220		

Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 STOT SE 3 - H336

2/11

Соррег				10-30%
CAS number: 7440-50-8				10-00 /0
M factor (Acute) = 10				
Classification				
Acute Tox. 4 - H302				
Aquatic Acute 1 - H400				
Aquatic Chronic 2 - H411				
ZINC POWDER - ZINC DUST (STAB	ILISED)			1-5%
CAS number: 7440-66-6	EC number: 231-17	5-3		
M factor (Acute) = 1	M factor (Chronic) =	: 1		
Classification		Classification (67/	548/EEC or 1999/45/EC)	
Aquatic Acute 1 - H400		N;R50/53		
Aquatic Chronic 1 - H410				
Amines, hydrogenated tallow alkyl				<1%
				N 170
CAS number: 61788-45-2				
M factor (Acute) = 1	M factor (Chronic) =	: 1		
Classification				
Skin Irrit. 2 - H315				
Eye Dam. 1 - H318				
STOT RE 2 - H373				
Aquatic Acute 1 - H400				
Aquatic Chronic 1 - H410				
BUTYL METHACRYLATE (ISO)				<1%
CAS number: 97-86-9	EC number: 202-61	3-0		
M factor (Acute) = 1				
Classification		Classification (67/	548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		R10 R43 Xi;R36/3	-	
Skin Irrit. 2 - H315		1(101(43),1(30))	7750 N,100	
Eye Irrit. 2 - H319				
Skin Sens. 1 - H317				
STOT SE 3 - H335				
Aquatic Acute 1 - H400				
mono propylene glycol				<1%
CAS number: 57-55-6	EC number: 200-33	8-0	REACH registration number: 01-	
			2119456809-23-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)			
Not Classified		-		

1-METHOXY-2-PROPANO		<1%
CAS number: 107-98-2	EC number: 203-539-1	REACH registration number: 01- 2119457435-35-XXXX
Classification	Classificatio	n (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 STOT SE 3 - H336	R10 R67	
The Full Text for all R-Phras	es and Hazard Statements are Displayed in Se	ction 16.
SECTION 4: First aid measu	ıres	
4.1. Description of first aid m	neasures	
General information	Get medical attention if any discomfort conti personnel.	nues. Show this Safety Data Sheet to the medica
Inhalation	breathing. Maintain an open airway. Loosen	
Ingestion	the affected person feels sick as vomiting m to an unconscious person. Place unconscious	ew small glasses of water or milk to drink. Stop if ay be dangerous. Never give anything by mouth us person on their side in the recovery position affected person under observation. Get medical
Skin contact	Rinse with water.	
Eye contact	Rinse with water. Get medical attention if an	y discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate	protective equipment during any rescue.
4.2. Most important symptor	ns and effects, both acute and delayed	
General information	The severity of the symptoms described will length of exposure.	vary dependent on the concentration and the
Inhalation		adverse effects: Headache. Nausea, vomiting. ness, dizziness, disorientation, vertigo. Narcotic
Ingestion	No specific symptoms known.	
Skin contact	Repeated exposure may cause skin dryness	s or cracking.
Eye contact	No specific symptoms known. May be slight	ly irritating to eyes.
4.3. Indication of any immed	liate medical attention and special treatment nee	eded
	Treat symptomatically.	

5.1. Extinguishing media

Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fr	rom the substance or mixture
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
5.3. Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet. No action shall be
taken without appropriate training or involving any personal risk. Evacuate area. Provide
adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.
Promptly remove any clothing that becomes contaminated. Avoid inhalation of dust and
vapours. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage	, including any incompatibilities
Storage precautions	Store locked up. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
Storage class	Flammable liquid storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure Controls	s/personal protection
8.1. Control parameters	
Occupational exposure limits	
mono propylene glycol	
Long-term exposure limit (8-ho Long-term exposure limit (8-ho	ur TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates ur TWA): WEL 10 mg/m³ particulate
1-METHOXY-2-PROPANOL	
	ur TWA): OES 100 ppm(Sk) 375 mg/m3(Sk) ninute): OES 150 ppm(Sk) 560 mg/m3(Sk) nit
8.2. Exposure controls	
Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended. Avoid contact with skin.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure	Keep container tightly sealed when not in use. Avoid release to the environment.

controls

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Metal or metallic solid. Viscous liquid.
Colour	Various colours.
Odour	Solvent.
рН	Not applicable.
Flash point	38-44°C CC (Closed cup).
Relative density	0.9-1.2 @ 20°C
9.2. Other information	
Other information	Not available.
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.
10.4. Conditions to avoid	
Conditions to avoid	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.
10.5. Incompatible materials	
Materials to avoid	Oxidising materials. Acids - oxidising.
10.6. Hazardous decomposition	on products
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
SECTION 11: Toxicological in	formation
11.1. Information on toxicolog	ical effects
Acute toxicity - oral	Based on available data the classification criteria are not met.
Notes (oral LD ₅₀)	
ATE oral (mg/kg)	2,775.93
<u>Acute toxicity - dermal</u> Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	

Serious eye damage/irritation	Based on available data the classification criteria are not met.	
Respiratory sensitisation		
Respiratory sensitisation	Based on available data the classification criteria are not met.	
Skin sensitisation		
Skin sensitisation	Based on available data the classification criteria are not met.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Carcinogenicity	Based on quailable data the eleccification criteria are not mat	
	Based on available data the classification criteria are not met.	
IARC carcinogenicity	None of the ingredients are listed or exempt.	
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity -	Based on available data the classification criteria are not met.	
development		
Specific target organ toxicity -	single exposure	
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.	
Target organs	Central nervous system	
Specific target organ toxicity -	repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.	
Aspiration hazard		
Aspiration hazard	Based on available data the classification criteria are not met.	
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting.	
	Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.	
Ingestion	No specific symptoms known.	
Skin contact	Repeated exposure may cause skin dryness or cracking.	
Eye contact	No specific symptoms known.	
Route of entry	Ingestion Inhalation Skin and/or eye contact	
Target organs	Central nervous system	
SECTION 12: Ecological Information		
Ecotoxicity	The product is not expected to be hazardous to the environment.	
12.1. Toxicity		
Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.	
Acute toxicity - fish	Not determined.	

Acute toxicity - aquatic invertebrates	Not determined.		
Acute toxicity - aquatic plants	Not determined.		
Acute toxicity - microorganisms	Not determined.		
12.2. Persistence and degrada	ability		
Persistence and degradability	The degradability of the product is not known.		
Phototransformation	Not determined.		
12.3. Bioaccumulative potentia			
Bioaccumulative potential	No data available on bioaccumulation.		
12.4. Mobility in soil			
Mobility	No data available.		
Adsorption/desorption coefficient	Not determined.		
12.5. Results of PBT and vPvE	3 assessment		
12.6. Other adverse effects			
Other adverse effects	None known.		
SECTION 13: Disposal consid	erations		
13.1. Waste treatment method	<u>s</u>		
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.		
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.		
Waste class	08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances		
SECTION 14: Transport inform	nation		
General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.		
14.1. UN number			
UN No. (ADR/RID)	1263		
UN No. (IMDG)	1263		
UN No. (ICAO)	1263		
14.2. UN proper shipping name			
Proper shipping name (ADR/RID)	PAINT RELATED MATERIAL		

Proper shipping name (IMDG)	PAINT RELATED MATERIAL		
Proper shipping name (ICAO)	PAINT RELATED MATERIAL		
Proper shipping name (ADN)	PAINT RELATED MATERIAL		
14.3. Transport hazard class(es)			
ADR/RID class	3		
ADR/RID label	3		

3

3

IMDG class

ICAO class/division

Transport labels



14.4. Packing	group
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ADR/RID packing group	III
IMDG packing group	Ш
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulationsHealth and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009
No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment
Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislationRegulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
Chemicals (REACH) (as amended).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16
December 2008 on classification, labelling and packaging of substances and mixtures (as
amended).
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	STOT SE 3 - H336: : Calculation method. Aquatic Acute 1 - H400: Aquatic Chronic 2 - H411: : Calculation method. Flam. Liq. 3 - H226: : Expert judgement.
Training advice	Read and follow manufacturer's recommendations.
Revision date	06/05/2016
Revision	7
Supersedes date	13/11/2015
Risk phrases in full	 R10 Flammable. R36/37/38 Irritating to eyes, respiratory system and skin. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	 H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. 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. EUH208 Contains BUTYL METHACRYLATE (ISO). May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.