

SAFETY DATA SHEET 3283002 | L & B Flüssiggold/ Rich Gold

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SAFETY DATA SHEET LEFRANC & BOURGEOIS LIQUID GILDING

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 LIQUID GILDING, REICHGOLD
1.2. Relevant identified use	es of 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 safety data sheet
Supplier	Deffner & Johann GmbH. Mühläckerstr. 13 97520 Röthlein
	+49 (0)9723 9350-0

+49 (0)9723 9350-0 info@deffner-johann.de www.deffner-johann.de

1.4. Emergency telephone number

Emergency telephone +49 (0)97239350-0 Mo-Fr 08:00 to 15:00

SECTION 2: Hazards identification

2.1. Classification of the substance 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 R10,R66,R67. 1999/45/EC)

2.2. Label elements

Pictogram



Signal word

Warning

Asp. Tox. 1 - H304 STOT SE 3 - H336

Hazard statements	H226 Flammable liquid and vapour.	
	H336 May cause drowsiness or dizziness.	
	H400 Very toxic to aquatic life.	
	H411 Toxic to aquatic life with long lasting eff	
	EUH208 Contains BUTYL METHACRYLATE	(ISO). May produce an allergic reaction.
Precautionary statements		arks, open flames and other ignition sources. No
	smoking.	
	P240 Ground/bond container and receiving e	
	P241 Use explosion-proof electrical equipme	nt.
	P242 Use only non-sparking tools.	statio dia de avec
	P243 Take precautionary measures against s	static discharge.
	P261 Avoid breathing vapour/spray.	daraa
	P271 Use only outdoors or in a well-ventilated P273 Avoid release to the environment.	u alea.
	P280 Wear protective gloves/protective cloth	ingleve protection/face protection
	P303+P361+P353 IF ON SKIN (or hair): Take	
	Rinse skin with water/shower.	e on infinediately all contaminated clothing.
	P304+P340 IF INHALED: Remove person to	fresh air and keen comfortable for breathing
	P312 Call a POISON CENTER/doctor if you f	
	-	dioxide, dry powder or water fog to extinguish.
	P391 Collect spillage.	
	P403+P233 Store in a well-ventilated place. I	Keep container tightly closed.
	P403+P235 Store in a well-ventilated place. I	
	P405 Store locked up.	
	P501 Dispose of contents/container in accord	lance with national regulations.
Supplemental label information	EUH066 Repeated exposure may cause skin	dryness or cracking.
Contains	Hydrocarbons, C9-C11, < 2% aromatics	
2.3. Other hazards		
This product does not contain	n any substances classified as PBT or vPvB.	
SECTION 3: Composition/inf	ormation on ingredients	
3.2. Mixtures		
Hydrocarbons, C9-C11, < 2	% aromatics	30-60%
CAS number: 64742-48-9	EC number: 919-857-5	REACH registration number: 01-
		2119463258-33-xxxx
Classification	Classification	(67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn;R65. R10	
		· · ·

Copper			10-30%
CAS number: 7440-50-8			
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 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		Classification (67/548/EEC or 1999/45/EC) N;R50/53	
Amines, hydrogenated tallow alkyl			<1%
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%
· · · ·	EQ		N 170
CAS number: 97-86-9 M factor (Acute) = 1	EC number: 202-61	3-0	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		R10 R43 Xi;R36/37/38 N;R50	
Skin Irrit. 2 - H315			
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	REACH registration numbe 2119456809-23-xxxx	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Not Classified		-	

1-METHOXY-2-PROPANC	DL	<1%	
CAS number: 107-98-2	EC number: 203-539-1	REACH registration number: 01- 2119457435-35-XXXX	
Classification	Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 R67		
STOT SE 3 - H336			
The Full Text for all R-Phra	ses and Hazard Statements are Displayed in Se	ction 16.	
SECTION 4: First aid meas	ures		
4.1. Description of first aid r	neasures		
General information	Get medical attention if any discomfort cont personnel.	inues. Show this Safety Data Sheet to the medica	
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.		
Ingestion	the affected person feels sick as vomiting m to an unconscious person. Place unconscio	few small glasses of water or milk to drink. Stop if hay be dangerous. Never give anything by mouth hus 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 ar	ny discomfort continues.	
Protection of first aiders	First aid personnel should wear appropriate	protective equipment during any rescue.	
4.2. Most important sympto	ms and effects, both acute and delayed		
General information	The severity of the symptoms described wil length of exposure.	I vary dependent on the concentration and the	
Inhalation		adverse effects: Headache. Nausea, vomiting. iness, dizziness, disorientation, vertigo. Narcotic	
Ingestion	No specific symptoms known.		
Skin contact	Repeated exposure may cause skin drynes	s or cracking.	
Eye contact	No specific symptoms known. May be slight	tly irritating to eyes.	
4.3. Indication of any imme	diate medical attention and special treatment ne	eded	
Notes for the doctor	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	om 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

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LEFRANC & BOURGEOIS LIQUID GILDING RICH GOLD

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	e, 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	
	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) mit
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 controls	Keep container tightly sealed when not in use. Avoid release to the environment.

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 re	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 decompositi	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 toxicological effects		
Acute toxicity - oral		
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.	
ATE oral (mg/kg)	2,775.93	
Acute toxicity - dermal	Deced on evailable date the classification criteria are not mot	
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 Carcinogenicity	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 - development	Based on available data the classification criteria are not met.
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 Infor	mation
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 vPvI	3 assessment	
12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal consid	erations	
13.1. Waste treatment method	ls	
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 information		
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 nam	e	
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

ICAO class/division

Transport labels



IMDG class

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

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 legislation	Regulation (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.