SAFETY DATA SHEET

LEFRANC & BOURGEOIS VERNIS A RETOUCHER SURFIN / EXTRA FINE RETOUCHING VARNISH

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/undert	aking
--	-------

1.1. Product identifier	
Product name	LEFRANC & BOURGEOIS VERNIS A RETOUCHER SURFIN / EXTRA FINE RETOUCHING VARNISH
1.2. Relevant identified us	es of the substance or mixture and uses advised against
Identified uses	Varnish for Oil Painting
Uses advised against	No specific uses advised against are identified.
1.3. Details of the supplier	of the 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	number
Emergency telephone	+44 (0)208 424 3200 This telephone number is available during office hours only 09:00 to

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

2.1. Classification of the substance or mixtu	re
Classification	

Classification	
Physical hazards	Flam. Liq. 3 - H226
Health hazards	STOT SE 3 - H336 STOT RE 1 - H372 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 3 - H412

Classification (67/548/EEC or Xn;R65. R10,R66,R67. 1999/45/EC)

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements	 H412 Harmful to aquatic life with long lasting effects. H336 May cause drowsiness or dizziness. H226 Flammable liquid and vapour. H372 Causes damage to organs through prolonged or repeated exposure. H304 May be fatal if swallowed and enters airways.
Precautionary statements	 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe vapour/spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P331 Do NOT induce vomiting. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.
Contains	Hydrocarbons, C9-C11, < 2% aromatics, Stoddard solvent
Supplementary precautionary statements	 P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing vapour/spray. P314 Get medical advice/attention if you feel unwell. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures		
Hydrocarbons, C9-C11, < 2% aromat	tics	30-60%
CAS number: 64742-48-9	EC number: 919-857-5	REACH registration number: 01- 2119463258-33-xxxx
Classification	Classificatio	on (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn;R65. R1	10,R66,R67.
Asp. Tox. 1 - H304		
STOT SE 3 - H336		

Stoddard solvent		10-309
CAS number: 8052-41-3	EC number: 232-489-3	
Classification		
Flam. Liq. 3 - H226		
STOT RE 1 - H372		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
2-METHOXY-1-METHYLETHYL	ACETATE	10-309
CAS number: 108-65-6	EC number: 203-603-9	
Classification	Classificatio	on (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	R10	
Nonane		<19
CAS number: 111-84-2	EC number: 203-913-4	REACH registration number: 01-
		2119463259-31-XXXX
M factor (Acuto) = 1		
M factor (Acute) = 1		
Classification		
Flam. Liq. 3 - H226		
Aquatic Acute 1 - H400		
Toluene		<19
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-
		2119471310-51-XXXX
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
Repr. 2 - H361d		
STOT SE 3 - H336		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
Aquatic Chronic 3 - H412		
The Full Text for all R-Phrases and	Hazard Statements are Displayed in Se	ection 16

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
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	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	Rinse with water.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
4.2. Most important symptoms	and effects, both acute and delayed
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	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
4.3. Indication of any immediat	e medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	ures
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 fro	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

Special protective equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective
for firefighters	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. Suspected of damaging the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. 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 storag	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/personal protection

8.1. Control parameters

Occupational exposure limits

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): OES 50 ppm(Sk) 274 mg/m3(Sk) Short-term exposure limit (15-minute): OES 100 ppm(Sk) 548 mg/m3(Sk)

Ingredient comments

OES = Occupational Exposure Standard.

8.2. Exposure controls

Protective equipment



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	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
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	Liquid
Colour	Light (or pale).
Odour	Characteristic.
рН	Not applicable.
Flash point	35°C CC (Closed cup).
Upper/lower flammability or explosive limits	: 0.9

Vapour pressure	2 mmHg @ °C
Relative density	0.83 @ 20°C
Solubility(ies)	Insoluble in water
Auto-ignition temperature	> 250°C
Viscosity	4.073 cSt @ 40°C
9.2. Other information	
Other information	Not available.
SECTION 10: Stability and rea	ictivity
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 decompositio	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 int	formation
11.1. Information on toxicologi	cal effects
Acute toxicity - oral Notes (oral LD₅o)	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD ₅₀)	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	Based on available data the classification criteria are not met.
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 available data the classification criteria are not met.
	None of the ingredients are listed or exempt.
IARC carcinogenicity	None of the ingredients are listed of exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity -	Suspected of damaging the unborn child.
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 -	
STOT - repeated exposure	STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the
Aspiration nazaru	result if vomited material containing solvents reaches the lungs.
General information	Avoid contact during pregnancy/while nursing. 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	
Ingestion Skin contact	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause
-	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known.
Skin contact Eye contact	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known.
Skin contact Eye contact Route of entry	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact Central nervous system
Skin contact Eye contact Route of entry Target organs	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact Central nervous system
Skin contact Eye contact Route of entry Target organs SECTION 12: Ecological Infor	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact Central nervous system
Skin contact Eye contact Route of entry Target organs SECTION 12: Ecological Infor 12.1. Toxicity	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact Central nervous system mation
Skin contact Eye contact Route of entry Target organs SECTION 12: Ecological Infor 12.1. Toxicity Toxicity	effect. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. No specific symptoms known. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact Central nervous system mation Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

Acute toxicity -	Not determined.
microorganisms	
12.2. Persistence and degrada	ability
Persistence and degradability	The degradability of the product is not known.
12.3. Bioaccumulative potentia	al
Bioaccumulative potential	No data available on bioaccumulation.
12.4. Mobility in soil	
Mobility	No data available.
12.5. Results of PBT and vPvI	3 assessment
12.6. Other adverse effects	
Other adverse effects	None known.
SECTION 13: Disposal considerations	
13.1. Waste treatment method	
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

	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 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(e	<u>s)</u>	
ADR/RID class	3	

ADR/RID label	3
IMDG class	3
ICAO class/division	3
Transport labels	



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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

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 envi	15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		
National regulations	Health 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	Asp. Tox. 1 - H304: STOT RE 1 - H372: STOT SE 3 - H336: : Calculation method. Aquatic
according to Regulation (EC)	Chronic 3 - H412: : Calculation method. Flam. Liq. 3 - H226: : Expert judgement.
1272/2008	

Training advice	Read and follow manufacturer's recommendations.
Revision date	06/11/2015
Revision	8
Supersedes date	18/03/2015
Risk phrases in full	 R10 Flammable. R36 Irritating to eyes. 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	 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. 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.

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.