

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

# Labshop

Chemicals, Restoration and Art Supplies

## O9800 Mixtion LEFRANC® 3 h

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

Product Name: *Mixtion LEFRANC® 3 h*

Article No.: *O9800*

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

*Gold plating*

Uses advised against:

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: *Interlabshop BV*

Address: *Lage Brink 23, 7317BD Apeldoorn The Netherlands*

Tel./Fax.: *+31(0)55-5215016*

Internet: *www.labshop.nl*

E-Mail: *labshop@labshop.nl*

Importer: *--*

#### 1.4. Emergency No.

Emergency No.: *112 (24 hours a day)*

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*Flammable liquids, hazard category 3*

*Specific Target Organ Toxicity (single exposure), hazard category 3*

*Specific target organ toxicity (repeated exposure), hazard category 1*

*Chronic aquatic toxicity, hazard category 3*

H226 Flammable liquid and vapour.

Cat.: 3

H336 May cause drowsiness or dizziness.

Cat.: 3

H372 Causes damage to organs through prolonged or repeated exposure.

Cat.: 1

H412 Harmful to aquatic life with long lasting effects.

Cat.: 3

*Classification according to Directive No. 67/548/EC or No. 1999/45/EC*

R10 Flammable.

Hazardous to the environment (N) R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

*Safety Phrases:*

*Possible Environmental Effects:*

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### 2.2. Label Elements

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

Hazard designation:



GHS02-1



GHS07



GHS08

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	May produce an allergic reaction.

Safety designation:

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a poison center or physician if you feel unwell.
P370+P378	In case of fire: Use sand, dry extinguishing powder or foam for extinction.
P391	Collect spillage
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container according to regional, national and

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international regulations.

*Hazardous components for labelling:*

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

Naphtha (petroleum), hydrotreated heavy, low-boiling (Xn; R65-66; Asp.Tox.1, H304); REACH Reg. No. 01-2119463258-33	30 - 60 %	CAS-Nr: 64742-48-9 EINECS-Nr: 919-857-5 EC-Nr: 649-327-00-6
Solvent naphtha (petroleum), middle aliphatic (Xn, N; R10-66-51/53; H226-304-372-411)	10 -22 %	CAS-Nr: 64742-88-7 EINECS-Nr: 265-191-7 EC-Nr:
Phthalic anhydride (Xn; R22-37/38-41-42/43; H302-315-317-318-334-335)	< 1 %	CAS-Nr: 85-44-9 EINECS-Nr: 201-607-5 EC-Nr:
Cobalt bis(2-ethylhexanoate) (Repr.Cat.3, Xi,N; R43-50/53-62; Repr.2, Skin sens. 1, Eye Irrit., Aqu.Acute, Aqu.Chron.; H361-317-319-400-412); REACH Reg.-Nr. 01-2119524678-29	< 1 %	CAS-Nr: 136-52-7 EINECS-Nr: 205-250-6 EC-Nr:
2-Butanonoxime (Carc.Cat.3, Xn; R21-40-41-43; Carc. 2 H352-312-317-318)	< 1 %	CAS-Nr: 96-29-7 EINECS-Nr: 202-496-6 EC-Nr: 616-014-00-0
2-Ethylhexanoic acid, zirconium salt (Repr.Cat.3; R63; Repr.2, H361), REACH Reg. No. 01-2119979088-21	< 1 %	CAS-Nr: 22464-99-9 EINECS-Nr: 245-018-1 EC-Nr:

*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Remove victim to fresh air and keep at rest in a position comfortable for breathing.*

*Keep the airways open. Unfasten tight garments (collar, tie, belt). Consult physician if symptoms persist.*

*After skin contact:*

*Wash off with water.*

*After eye contact:*

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*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

*After ingestion:*

### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*The severity of the symptoms described will vary dependent on the concentration and the length of exposure.*

*Inhalation (single exposure): headache, nausea, vomiting, central nervous system depression, drowsiness, dizziness, disorientation, vertigo, narcotic effect.*

*Skin contact: repeated exposure may cause skin dryness or cracking.*

*Eye contact: may be slightly irritating to eyes.*

*Effects:*

### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water mist.*

*Unsuitable extinguishing media:*

*Water with full jet.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*Flammable.*

*Fluid and vapors are highly flammable.*

*Containers may burst or explode when subjected to excessive heat, due to pressure build-up.*

*Fumes can form an explosive mixture with air.*

*In case of fire: hazardous gases/vapors may be released.*

*Fire-water run-off in sewers may create fire or explosion hazard.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear positive pressure self-contained breathing apparatus (SCBA).*

*Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.*

*Further information:*

*Do not inhale dangerous gases formed in case of fire.*

*Air: Take all uninvolved persons out of wind direction.*

*Do not inhale smoke.*

*Cool exposed containers with water spray.*

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*Avoid contamination of sewage system, open water ways and ground water.*

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### 6. Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.  
Provide adequate ventilation. Keep away from sources of ignition.*

#### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

#### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*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.*

*Clean contaminated area with plenty of water.*

*Remove all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage.*

#### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Wear adequate protective clothing (see para. 8).*

*Keep away from flames and sparks.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Pregnant women and women of childbearing age should avoid contact with this product.*

*Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.*

#### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Keep away from ignitable sources, heat and fire.*

*Do not store together with: oxidants.*

*Requirements for storage areas and containers:*

*Store product in closed containers.*

*Keep containers upright and protect from damage.*

*Information on fire and explosion protection:*

*Do not store together with: foodstuffs and animal feed.*

*Do not store together with ignitable sources, heat and fire.*

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*Storage class (VCI):*

*3: Flammable liquids*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*The identified uses for this product are stated in Section 1.2.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*Phthalic anhydride: TLV: 1 mg/m<sup>3</sup> (8h)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Provide adequate ventilation.*

*Required in case of insufficient ventilation.*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Prevent from getting into the soil, surface water and sewage system.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form: liquid*

*Color: light-colored*

*Odor: characteristic*

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<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>&gt; 150°C (760 mm Hg)</i>
<i>Flash point:</i>	<i>41°C (Closed Cup)</i>
<i>Evaporation rate:</i>	<i>&lt; 1 BuAc = 1</i>
<i>Flammability (solid, gas):</i>	<i>flammable</i>
<i>Upper explosion limit:</i>	
<i>Lower explosion limit:</i>	<i>0.9</i>
<i>Vapor pressure:</i>	<i>0.2 kPa</i>
<i>Vapor density:</i>	<i>&gt; 1</i>
<i>Density:</i>	<i>0.9 g/ml (15°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>250°C</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>1.5 10<sup>-4</sup> mPas (40°C)</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>

*Bulk density:*

#### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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#### 10. Stability and Reactivity

##### 10.1. Reactivity

*Stable if used according to specifications.*

##### 10.2. Chemical Stability

*Stable if used according to specifications.*

##### 10.3. Possibility of Hazardous Reactions

*Reacts with oxidizing agents.*

*Heating leads to an increase of pressure and risk of bursting.*

##### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid heat, open fire and other ignition sources.*

*Take necessary action to avoid static electricity discharge.*

*Thermal decomposition:*

##### 10.5. Incompatible Materials

*Oxidizing agents and acids.*

##### 10.6. Hazardous Decomposition Products

*Thermal decomposition may yield harmful gases and vapors.*

##### 10.7. Further Information

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#### 11. Toxicological Information

##### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*No toxicity expected.*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Repeated contact can cause chapped or cracked skin.*

*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*Suspected of damaging the unborn child.*

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### *Carcinogenicity:*

*IARC: Does not contain any component classified as carcinogenic.*

### *Teratogenicity:*

*Suspected of damaging fertility.*

### *Specific target organ toxicity (STOT):*

*Single exposure: may cause drowsiness or dizziness.*

*Repeated exposure: causes damage to organs through prolonged or repeated exposure.*

### *Additional toxicological information:*

*Aspiration hazard: not applicable*

*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.*

*Skin contact: repeated exposure may cause skin dryness or cracking.*

*Target organs: central nervous system.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.*

#### *Fish toxicity:*

#### *Daphnia toxicity:*

#### *Bacteria toxicity:*

#### *Algae toxicity:*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.*

### 12.6. Other Adverse Effects

#### *Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.*

#### *Behaviour in sewage systems:*

#### *Further ecological effects:*

*Do not let product enter waterways or sewage system.*

#### *AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*If product cannot be reused or recycled, it has to be disposed of according to current local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Empty containers or liners may retain some product residues and hence be potentially hazardous.*

*Waste Code No.:*

---

### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA* 1263

#### 14.2. UN Proper Shipping Name

*ADR/RID:* FARBE

*IMDG/IATA:* PAINT

#### 14.3. Transport Hazard Classes

*ADR Class:* 3

*Hazard no.:* 3

*Classification code:* F1

*Tunnel restriction code:* E

*IMDG Class (sea):* 3

*Hazard no.:* 3

*EmS No.:* F-E, S-E

*IATA Class:* 3

*Hazard no.:* 3

#### 14.4. Packaging Group

*ADR/RID:* III

*IMDG:* III

*IATA:* III

#### 14.5. Environmental Hazards

#### 14.6. Special Precautions for User

*Always transport containers in an upright position to avoid spilling. Take care to inform all involved persons how to handle product in case of leak (see Sections 6-8).*

#### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

#### 14.8. Further Information

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### 15. Regulatory Information

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#### **15. 1.      Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture**

*Water hazard class:*

*2, hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

#### **15. 2.      Chemical Safety Assessment**

*A Chemical Safety Assessment has not been carried out for this product.*

#### **15. 3.      Further Information**

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#### **16.      Other Information**

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*