

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : Lacquer Stik® Gold

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Paint.

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

LA-CO Industries Europe S.A.S.  
Parc Industriel de la Plaine de  
l'Ain - Allée des Combes.  
01150.BLYES.France.  
Phone: +33 (0)4 74 46 23 23  
Fax: +33 (0)4 74 46 23 29  
E-mail: info@eu.laco.com  
Web: http://www.markal.com

**1.4. Emergency telephone number**

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

EU Member State	Officieel adviesorgaan	Adres	Noodnummer
AUSTRIA	Vergiftungsinformationszentrale (Poisons Information Centre)	Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien	+43 1 406 43 43
BELARUS	The Belarus Republican Poisons Centre	Kizhevatova str. 58 220115 Minsk	+375 (0)17 201 9158
BELGIUM	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245
BULGARIA	Национален токсикологичен информационен център National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409
CROATIA	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342
CZECH REPUBLIC	Toxikologické informační středisko Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojišti 1 120 00 Praha 2	+42 2 2491 9293 +42 2 2491 5402
DENMARK	Gifflinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 København NV	+45 82 12 12 12 +45 35 31 55 55
ESTONIA	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	+372 626 93 90
FINLAND	Myrkytystietokeskus	P.O.B 340 (Haartmaninkatu 4) HUS SF - 00029 Helsinki	+358 9 471 977
FRANCE	ORFILA		+33 1 45 42 59 59
GERMANY	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
GERMANY	Informations und Beratungszentrum für Vergiftungsfälle	Kirrberger Straße, Gebäude 9 D-66421 Homburg/Saar	+49 6841 19240
GERMANY	Beratungstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen	Langenbeckstrasse 1 55131 Mainz	+49 6131 19240
GREECE	Poisons Information Centre	11527 Athens	+30 10 779 3777
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyváradi tér 2	+36 80 20 11 99
ICELAND	Eitrunarmiðstöðin	Eitrunarmiðstöðin 108 Reykjavik	+354 543 22 22
IRELAND	National Poisons Information Centre	Beaumont Hospital PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2166
LATVIA	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs	2 Hipocrate Street LV 1038 Riga	+371 67 04 24 73

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LITHUANIA	Apsinuodijimų kontrolės ir informacijos biuras	Siltnamiu 29 2043 Vilnius	+370 5 236 20 52/+370 687 53 378
MALTA	Medicines & Poisons Info Office	Mater Dei Hospital, Msida MSD 2090 Malta	25450000
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
PORTUGAL	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	Biroul pentru Regulamentul Sanitar International si Informare Toxicologica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 50463 Bucuresti	+40 21 318 36 06
SLOVAKIA	Národné toxikologické informačné centrum University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	+46 8 33 12 31 (International) 112 (National)
SWITZERLAND	Centre Suisse d'Information Toxicologique	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of classification categories and H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

P273 - Avoid release to the environment  
P391 - Collect spillage  
P501 - Dispose of contents/container to an authorised waste collection point

EUH-statements :

EUH208 - Contains rosin(8050-09-7). May produce an allergic reaction

### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Comments :

Only component with health hazards above the applicable thresholds and/or Exposure Limit values are shown.

Exact concentrations are withheld as trade secret.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Copper, dusts and mists (as Cu)	(CAS No) 7440-50-8 (EC no) 231-159-6	20 – 50	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc (stabilised)	(CAS No) 7440-66-6 (EC no) 231-175-3 (EC index no) 030-001-01-9	1 – 15	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Silicon dioxide (amorphous)	(CAS No) 7631-86-9 (EC no) 231-545-4	0 – 10	Not classified
Paraffin waxes and Hydrocarbon waxes, microcryst	(CAS No) 63231-60-7 (EC no) 264-038-1	1 – 5	Not classified
rosin	(CAS No) 8050-09-7 (EC no) 232-475-7 (EC index no) 650-015-00-7	1 – 5	Skin Sens. 1, H317
aluminium powder (stabilised)	(CAS No) 7429-90-5 (EC no) 231-072-3 (EC index no) 013-001-00-1	0.1 – 1	Flam. Sol. 1, H228 Water-react. 2, H261
nickel dihydroxide	(CAS No) 12054-48-7 (EC no) 235-008-5 (EC index no) 028-008-00-X	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1A, H350i Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of R- and H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.
- First-aid measures after ingestion : Get medical advice/attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after eye contact : May cause slight irritation.
- Symptoms/injuries after ingestion : Diarrhea. Nausea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Foam. Dry chemical.
- Unsuitable extinguishing media : None known.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : No particular fire or explosion hazard.

#### 5.3. Advice for firefighters

- Firefighting instructions : Keep upwind.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. EN469.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Avoid creating or spreading dust.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.
- Emergency procedures : Ventilate area. Stop leak if safe to do so.

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### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid.

Methods for cleaning up : Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Oxidizer.

Incompatible materials : Heat sources.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Keep away from incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

Paint.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Silicon dioxide (amorphous) (7631-86-9)		
Austria	MAK (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Austria	Remark (AT)	(einatembare Fraktion)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Germany	Remark (TRGS 900)	(einatembare Fraktion)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	2.4 mg/m <sup>3</sup> 6 mg/m <sup>3</sup> (total inhalable dust)
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Spain	Notes	(respirable aerosol)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (inhalable aerosol) 2.4 mg/m <sup>3</sup> (respirable aerosol)
Switzerland	VME (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(einatembarer Staub)
aluminium powder (stabilised) (7429-90-5)		
Belgium	Limit value (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Belgium	Remark (BE)	(Aluminium, métal et composés insolubles, fraction alvéolaire)
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (respirabel) 10 mg/m <sup>3</sup> (total)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Finland	Huomautus (FI)	(Alumiini, liukoiset yhdisteet)
France	VME (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (pulvérulent) 10 mg/m <sup>3</sup> (metal)
Germany	TRGS 903 (BGW)	200 µg/l
Germany	Remark (TRGS 903)	Aluminium (Urin; Expositionsende bzw. Schichtende)
Hungary	Megjegyzések (HU)	(respirabilis por)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Ireland	Notes (IE)	(respirable dust)
Lithuania	IPRV (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (alveoline frakcija) 1 mg/m <sup>3</sup> (Aluminis (metalas) ir jo tirpus junginiai, kaip Al) 5 mg/m <sup>3</sup> (akvepiamoji frakcija )
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

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<b>aluminium powder (stabilised) (7429-90-5)</b>		
Poland	NDS (mg/m <sup>3</sup> )	2.5 mg/m <sup>3</sup> (dymy, pyl całkowity) 1.2 mg/m <sup>3</sup> (dymy, pyl respirabilny)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	60 µg/g creatinine (Hlinik, M,a) 25 µg/g creatinine (Celkový, M,,d) 150 µg/g creatinine (Celkový,M,b)
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable aerosol) 5 mg/m <sup>3</sup> (respirable aerosol)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (Aluminium, lösliga föreningar, som Al) 5 mg/m <sup>3</sup> (totaldamm, som Al) 2 mg/m <sup>3</sup> (respirabelt damm, som Al)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable dust) 4 mg/m <sup>3</sup> (respirable dust)
Norway	Merknader (NO)	(Aluminiumpulver, pyroteknikk)
Switzerland	VME (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(alveolengängiger Staub)
<b>rosin (8050-09-7)</b>		
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Ireland	Notes (IE)	(Sen)
<b>nickel dihydroxide (12054-48-7)</b>		
Finland	Huomautus (FI)	Ni
Spain	Notes	C1

### 8.2. Exposure controls

Appropriate engineering controls	: Eyewash stations. Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: In case of repeated or prolonged contact wear gloves. EN374.
Eye protection	: Chemical goggles or safety glasses. EN166.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Wear appropriate mask. EN 12083.
Other information	: Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: A solid crayon-like marker.
Colour	: Gold.
Odour	: Oily.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 204 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

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Oxidising properties : No data available

Explosive limits : No data available

### 9.2. Other information

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Oxidizer.

### 10.6. Hazardous decomposition products

Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Copper, dusts and mists (as Cu) (7440-50-8)

LD50 oral rat > 2500 mg/kg

LD50 dermal rat > 2000 mg/kg

LC50 inhalation rat (mg/l) > 5.11 mg/l/4h

#### Silicon dioxide (amorphous) (7631-86-9)

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 2000 mg/kg

LC50 inhalation rat (mg/l) > 58.8 mg/l/4h

#### aluminium powder (stabilised) (7429-90-5)

LD50 oral rat > 15900 mg/kg

LC50 inhalation rat (mg/l) > 2.3 mg/l/4h No mortality observed in this study.

#### Zinc (stabilised) (7440-66-6)

LD50 oral rat > 2000 mg/kg

LC50 inhalation rat (mg/l) > 5410 mg/m<sup>3</sup>

#### Paraffin waxes and Hydrocarbon waxes, microcryst (63231-60-7)

LD50 oral rat > 5000 mg/kg Sprague-Dawley, no mortality observed

LD50 dermal rat > 2000 mg/kg Sprague-Dawley, no mortality observed

#### rosin (8050-09-7)

LD50 oral rat 2800 mg/kg

LD50 dermal rat > 2000 mg/kg No mortality observed

ATE CLP (oral) 2800.000 mg/kg bodyweight

#### nickel dihydroxide (12054-48-7)

LD50 oral rat 1515 mg/kg

LD50 dermal rat > 2 g/kg

LC50 inhalation rat (mg/l) 1200 mg/m<sup>3</sup> 4 h

ATE CLP (oral) 1515.000 mg/kg bodyweight

ATE CLP (dust,mist) 1.500 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified. (No sensitizing reaction was observed for guinea pigs)

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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<b>Paraffin waxes and Hydrocarbon waxes, microcryst (63231-60-7)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	5700 mg/kg bodyweight Sprague-Dawley, no mortality observed
NOAEL (chronic, oral, animal/female, 2 years)	5700 mg/kg bodyweight Sprague-Dawley, no mortality observed
<b>nickel dihydroxide (12054-48-7)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	2.2 mg/kg bodyweight read across Nickel Sulphate Hexahydrate
NOAEL (chronic, oral, animal/female, 2 years)	2.2 mg/kg bodyweight read across Nickel Sulphate Hexahydrate
<b>Reproductive toxicity</b>	: Not classified
<b>Specific target organ toxicity (single exposure)</b>	: Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	: Not classified
<b>Aspiration hazard</b>	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

<b>Copper, dusts and mists (as Cu) (7440-50-8)</b>	
LC50 fish 1	0.2 mg/l
EC50 Daphnia 1	0.041 mg/l
NOEC chronic fish	0.01 mg/l
<b>Silicon dioxide (amorphous) (7631-86-9)</b>	
LC50 fish 1	> 10000 mg/l
EC50 Daphnia 1	> 1000 mg/l
<b>aluminium powder (stabilised) (7429-90-5)</b>	
LC50 fish 1	> 218.64 mg/l ASTM 2000; test material: aluminium chloride hexahydrate; Pimephales promelas
EC50 Daphnia 1	1.4 mg/l OECD Guideline 202; test material: Aluminium hydroxide
LOEC (acute)	72.89 mg/l
NOEC (acute)	37.2 mg/l
<b>Zinc (stabilised) (7440-66-6)</b>	
LC50 fish 1	439 µg/l 96 h Cottus bairdii
<b>Paraffin waxes and Hydrocarbon waxes, microcryst (63231-60-7)</b>	
LC50 fish 1	> 1000 mg/l 96 h, Oncorhynchus mykiss
EC50 Daphnia 1	> 1000 mg/l 48 h,
<b>rosin (8050-09-7)</b>	
LC50 fish 1	< 10 mg/l 96 h
EC50 Daphnia 1	911 mg/l 48 h
<b>nickel dihydroxide (12054-48-7)</b>	
LC50 fish 1	15.3 mg/l 96 h
EC50 Daphnia 1	> 200 µg/l 48 h

### 12.2. Persistence and degradability

<b>Lacquer Stik® Gold</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>Copper, dusts and mists (as Cu) (7440-50-8)</b>	
Persistence and degradability	Not readily biodegradable.
<b>Silicon dioxide (amorphous) (7631-86-9)</b>	
Persistence and degradability	Product persists.
<b>Paraffin waxes and Hydrocarbon waxes, microcryst (63231-60-7)</b>	
Persistence and degradability	inherently biodegradable.
<b>rosin (8050-09-7)</b>	
Biodegradation	71 % 28 d
<b>nickel dihydroxide (12054-48-7)</b>	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

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Copper, dusts and mists (as Cu) (7440-50-8)	
BCF fish 1	0.009
Bioaccumulative potential	Not expected to bioaccumulate.
rosin (8050-09-7)	
Log Pow	3 (3 - 6.2)
nickel dihydroxide (12054-48-7)	
BCF fish 1	600 - 26500 whole body d.w.; 0 to 26 day exposure

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Lacquer Stik® Gold	
PBT: not yet assessed	
vPvB: not yet assessed	

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	: 3077
UN-No. (IATA)	: 3077
UN-No. (IMDG)	: 3077
UN-No. (ADN)	: 3077

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Environmentally hazardous substance, solid, n.o.s. (copper, zinc)
Proper Shipping Name (IATA)	: Environmentally hazardous substance, solid, n.o.s. (copper, zinc)
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper, zinc)
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper, zinc)
Transport document description (ADR)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper, zinc), 9, III, (E)

### 14.3. Transport hazard class(es)

Class (ADR)	: 9
Classification code (ADR)	: M7
Class (IATA)	: 9
Class (IMDG)	: 9
Class (ADN)	: 9
Classification code (ADN)	: M7

### 14.4. Packing group

Packing group (ADR)	: III
Packing group (IATA)	: III
Packing group (IMDG)	: III
Packing group (ADN)	: III

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.



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### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90

Classification code (ADR) : M7

Orange plates :



Tunnel restriction code (ADR) : E

EAC code : 2Z

#### 14.6.2. Transport by sea

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

#### 14.6.3. Inland waterway transport

Carriage prohibited (ADN) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 %

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : 3 - severe hazard to waters

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

according to Regulation (EU) 2015/830

Indication of changes:

Original Document.

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	PBT: Persistent, Bioaccumulative, Toxic
	TWA: Time Weighted Average
	TSCA: Toxic Substances Control Act

# Lacquer Stik® Gold

## Safety Data Sheet

according to Regulation (EU) 2015/830

### Data sources

: ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.  
European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Other information

: None.

### Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Flam. Sol. 1	Flammable solids, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H228	Flammable solid
H261	In contact with water releases flammable gases
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350i	May cause cancer by inhalation
H360D	May damage the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
R11	Highly flammable
R15	Contact with water liberates extremely flammable gases
R20/22	Harmful by inhalation and if swallowed
R38	Irritating to skin
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R49	May cause cancer by inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R61	May cause harm to the unborn child
R68	Possible risk of irreversible effects
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aquatic Acute 1	H400	Calculation method
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# Lacquer Stik® Gold

## Safety Data Sheet

according to Regulation (EU) 2015/830

Aquatic Chronic 1	H410	Calculation method
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LA-CO EU CLP SDS

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*