

Printing date 07/31/2014

Reviewed on 07/31/2014

1 Identification

- **Product identifier** 96652 96659
- **Trade name: STYLMARK** 96653
- **Application of the substance / the mixture** Industrial marker
- **Details of the supplier of the safety data sheet** 96654
- **Manufacturer/Supplier:** 96655
LA-CO INDUSTRIES EUROPE
Allée des Combes, Pl de la Plaine de l'Ain
F-01150 BLYES
FRANCE 96656
info@eu.laco.com 96657
- **Information department: Département sécurité du produit** 96658
- **Emergency telephone number:**
FRANCE : 24/24, 7/7 : ORFILA (INRS) : +33 (0) 1 45 42 59 59
BELGIQUE : 24/24, 7/7 : CENTRE ANTI POISON BELGE : +32 (0) 70 245 245

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 Health hazard

Carc. 1A H350 May cause cancer.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Flammable. Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of international guidelines.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with directives on hazardous materials.

- **Risk phrases:**

Flammable.

Vapours may cause drowsiness and dizziness.

- **Safety phrases:**

Avoid contact with eyes.

Do not empty into drains.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

This material and its container must be disposed of as hazardous waste.


(Contd. on page 2)

USA

Trade name: STYLMARK

(Contd. of page 1)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 3
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**
CAS 13463-67-7 just in STYLMARK White, Yellow, Pink, Purple
CAS 1333-86-4 just in STYLMARK Black

123-86-4	n-butyl acetate	25-50%
13463-67-7	titanium dioxide	2.5-<10%
14808-60-7	Quartz (SiO2)	1-≤2.5%
1333-86-4	Carbon black	1-≤2.5%
9004-87-9	Ifralan	0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

Trade name: **STYLMARK**

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

• **Components with limit values that require monitoring at the workplace:**

123-86-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm
14808-60-7 Quartz (SiO₂)	
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction
1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction

(Contd. on page 4)

Trade name: STYLMARK

(Contd. of page 3)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255 °F)
· Flash point:	27 °C (81 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	370 °C (698 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
· Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
· Density:	Not determined.

(Contd. on page 5)

Trade name: **STYLMARK**

(Contd. of page 4)

• Relative density	<i>Not determined.</i>
• Vapour density	<i>Not determined.</i>
• Evaporation rate	<i>Not determined.</i>
• Solubility in / Miscibility with Water:	<i>Not miscible or difficult to mix.</i>
• Partition coefficient (n-octanol/water):	<i>Not determined.</i>
• Viscosity:	
Dynamic:	<i>Not determined.</i>
Kinematic at 20 °C (68 °F):	<i>300 s (ISO 6 mm)</i>
• Solvent content:	
Organic solvents:	<i>37.8 %</i>
VOC content:	<i>37.8 %</i>
	<i>378.2 g/l / 3.16 lb/gl</i>
• Solids content:	<i>10.1 %</i>
• Other information	<i>No further relevant information available.</i>

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- *on the skin: No irritant effect.*
- *on the eye: No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
- **Carcinogenic categories**

• IARC (International Agency for Research on Cancer)		
13463-67-7	<i>titanium dioxide</i>	<i>2B</i>
14808-60-7	<i>Quartz (SiO₂)</i>	<i>1</i>
1333-86-4	<i>Carbon black</i>	<i>2B</i>
1330-20-7	<i>xylene</i>	<i>3</i>
5989-27-5	<i>(R)-p-mentha-1,8-diene</i>	<i>3</i>
100-41-4	<i>ethylbenzene</i>	<i>2B</i>
• NTP (National Toxicology Program)		
14808-60-7	<i>Quartz (SiO₂)</i>	<i>K</i>

USA

(Contd. on page 6)

Printing date 07/31/2014

Reviewed on 07/31/2014

Trade name: **STYLMARK**

(Contd. of page 5)

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

<ul style="list-style-type: none"> • UN-Number • DOT, IATA • ADN, IMDG 	<p style="margin-left: 20px;">UNI263 not regulated</p>
<ul style="list-style-type: none"> • UN proper shipping name • DOT • ADN, IMDG • IATA 	<p style="margin-left: 20px;">Paint not regulated PAINT</p>
<ul style="list-style-type: none"> • Transport hazard class(es) • DOT 	
<div style="display: flex; align-items: center;"> <ul style="list-style-type: none"> • Class • Label • ADN/R Class: • IATA </div>	<p style="margin-left: 20px;">3 Flammable liquids. 3 not regulated</p>
<div style="display: flex; align-items: center;"> <ul style="list-style-type: none"> • Class • Label </div>	<p style="margin-left: 20px;">3 Flammable liquids. 3</p>

(Contd. on page 7)

Trade name: STYLMARK

(Contd. of page 6)	
• Packing group	III
• DOT, IATA	not regulated
• IMDG	
• Environmental hazards:	
• Marine pollutant:	No
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• UN "Model Regulation":	-

15 Regulatory information		
• Safety, health and environmental regulations/legislation specific for the substance or mixture		
• Sara		
• Section 355 (extremely hazardous substances):		
None of the ingredients is listed.		
• Section 313 (Specific toxic chemical listings):		
1330-20-7	xylene	
71-36-3	butan-1-ol	
100-41-4	ethylbenzene	
• TSCA (Toxic Substances Control Act):		
All ingredients are listed.		
• Proposition 65		
• Chemicals known to cause cancer:		
14808-60-7	Quartz (SiO ₂)	
1333-86-4	Carbon black	
100-41-4	ethylbenzene	
• Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.		
• Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.		
• Chemicals known to cause developmental toxicity:		
None of the ingredients is listed.		
• Carcinogenic categories		
• EPA (Environmental Protection Agency)		
1330-20-7	xylene	I
71-36-3	butan-1-ol	D
100-41-4	ethylbenzene	D
• TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
14808-60-7	Quartz (SiO ₂)	A2
1333-86-4	Carbon black	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

(Contd. on page 8)

Trade name: **STYLMARK**

(Contd. of page 7)

· NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7 titanium dioxide

14808-60-7 Quartz (SiO₂)

1333-86-4 Carbon black

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Risk phrases:

Flammable.

Vapours may cause drowsiness and dizziness.

· Safety phrases:

Avoid contact with eyes.

Do not empty into drains.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

This material and its container must be disposed of as hazardous waste.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Service protection de l'environnement

· Contact: Responsable QHSE

· Date of preparation / last revision 07/31/2014 / 7

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Carc. 1A: Carcinogenicity, Hazard Category 1A

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3