

# B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 25/09/2015

Revision date:

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

#### 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 : Marking

##### 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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

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

No additional information available

#### 2.2. Label elements

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

Unknown acute toxicity (CLP: Classification, : 1.1% of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 Labelling, Packaging.) - SDS 1.1% of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 1.1% percent of the mixture consists of ingredient(s) of unknown acute inhalation (dust/mist) toxicity

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
limestone	(CAS No) 1317-65-3 (EC no) 215-279-6	30 – 60	Not classified
aluminium powder (pyrophoric)	(CAS No) 7429-90-5 (EC no) 231-072-3 (EC index no) 013-001-00-6	0 – 30	Pyr. Sol. 1, H250 Water-react. 2, H261

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Paraffin waxes and Hydrocarbon waxes	(CAS No) 8002-74-2 (EC no) 232-315-6	0 – 20	Not classified
titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5	0 – 15	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
Carbon black	(CAS No) 1333-86-4 (EC no) 215-609-9	0 – 5	Carc. 2, H351
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7 (EC no) 238-878-4	0 – 2	Carc. 1A, H350i
Aluminum hydroxide	(CAS No) 21645-51-2 (EC no) 244-492-7	0 – 1	Not classified
4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%)	(CAS No) 2786-76-7 (EC no) 220-509-3	0 – 1	Skin Sens. 1, H317
Silicon dioxide (amorphous)	(CAS No) 7631-86-9 (EC no) 231-545-4	0 – 1	Not classified
Distillates (petroleum), hydrotreated light	(CAS No) 64742-47-8 (EC no) 265-149-8 (EC index no) 649-422-00-2	< 0.1	Asp. Tox. 1, H304
Stoddard solvent (benzene < 0.1%)	(CAS No) 8052-41-3 (EC no) 232-489-3 (EC index no) 649-345-00-4	< 0.1	Flam. Liq. 3, H226 STOT RE 1, H372 Asp. Tox. 1, H304
Naphtha (petroleum), hydrodesulfurized heavy (benzene < 0.1%)	(CAS No) 64742-82-1 (EC no) 265-185-4 (EC index no) 649-330-00-2	< 0.1	STOT RE 1, H372 Asp. Tox. 1, H304
Aluminum oxide	(CAS No) 1344-28-1 (EC no) 215-691-6	< 0.1	Not classified
Zirconium oxide	(CAS No) 1314-23-4 (EC no) 215-227-2 (REACH-no) 01-2119486976-14	< 0.1	Not classified
Iron oxide red	(CAS No) 1309-37-1 (EC no) 215-168-2	< 0.1	Aquatic Chronic 2, H411
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
2,6-Di-tert-butyl-4-methylphenol	(CAS No) 128-37-0 (EC no) 204-881-4	< 0.1	STOT RE 2, H373 Aquatic Acute 1, H400

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. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Wash with plenty of soap and 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.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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 creating or spreading dust.

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

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Emergency procedures : Ventilate area. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Do not discharge into drains or the environment. Prevent entry to sewers and public waters.

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

For containment : Avoid generating dust. Sweep or shovel into suitable containers.

#### 6.4. Reference to other sections

Section 8: personal protective equipment.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Incompatible products : Strong oxidizers.

Prohibitions on mixed storage : Incompatible materials.

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

#### 7.3. Specific end use(s)

Marking.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

limestone (1317-65-3)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 4 mg/m <sup>3</sup> (respirable dust)
Aluminum oxide (1344-28-1)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable aerosol) 4 mg/m <sup>3</sup> (respirable aerosol)
titanium dioxide (13463-67-7)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable aerosol 4 mg/m <sup>3</sup> respirable aerosol
Carbon black (1333-86-4)		
United Kingdom	Local name	Carbon black
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>

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aluminium powder (pyrophoric) (7429-90-5)		
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)
Paraffin waxes and Hydrocarbon waxes (8002-74-2)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
United Kingdom	Remark (WEL)	(fume)
Silicon dioxide (amorphous) (7631-86-9)		
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)
Iron oxide red (1309-37-1)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Rouge, inhalable fraction) 4 mg/m <sup>3</sup> (Rouge, respirable fraction) 5 mg/m <sup>3</sup> (fume, as Fe)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume, as Fe)

### 8.2. Exposure controls

Appropriate engineering controls	: Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Eyewash stations.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: None under normal use.
Eye protection	: Chemical goggles or safety glasses. EN 166.
Respiratory protection	: None under normal use.
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	: Variable.
Odour	: Slight, vegetable oil.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 66 °C
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
Oxidising properties	: No data available
Explosive limits	: No data available

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### 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 may occur.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

limestone (1317-65-3)	
LD50 oral rat	6450 mg/kg
ATE CLP (oral)	6450.000 mg/kg bodyweight
Aluminum oxide (1344-28-1)	
LD50 oral rat	> 15900 mg/kg
LC50 inhalation rat (mg/l)	7.6 mg/l/4h
ATE CLP (vapours)	7.600 mg/l/4h
ATE CLP (dust,mist)	7.600 mg/l/4h
titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 6.82 mg/l/4h
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
2,6-Di-tert-butyl-4-methylphenol (128-37-0)	
LD50 oral rat	6000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CLP (oral)	6000.000 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/m³ 4 h
ATE CLP (oral)	1515.000 mg/kg bodyweight
ATE CLP (dust,mist)	1.500 mg/l/4h
Carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg
LC50 inhalation rat (mg/l)	> 4.6 mg/m³ 4 h
aluminium powder (pyrophoric) (7429-90-5)	
LD50 oral rat	> 15900 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 10 mg/l/4h

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<b>Paraffin waxes and Hydrocarbon waxes (8002-74-2)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Silicon dioxide (amorphous) (7631-86-9)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 58.8 mg/l/4h
<b>Zirconium oxide (1314-23-4)</b>	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 4.3 mg/l/4h
<b>Iron oxide red (1309-37-1)</b>	
LD50 oral rat	> 10000 mg/kg
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
LD50 oral rat	> 15000 mg/kg
LC50 inhalation rat (mg/l)	> 1580 mg/m <sup>3</sup> 4 h
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5.28 mg/l/4h
<b>Stoddard solvent (benzene &lt; 0.1%) (8052-41-3)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 10 mg/l/4h
<b>Naphtha (petroleum), hydrodesulfurized heavy (benzene &lt; 0.1%) (64742-82-1)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 7630 mg/m <sup>3</sup>
Unknown acute toxicity (CLP: Classification, Labelling, Packaging.) - SDS	: 1.1% of the mixture consists of ingredient(s) of unknown acute oral toxicity 1.1% of the mixture consists of ingredient(s) of unknown acute dermal toxicity 1.1% percent of the mixture consists of ingredient(s) of unknown acute inhalation (dust/mist) toxicity
<b>Skin corrosion/irritation</b>	: Not classified
<b>Serious eye damage/irritation</b>	: Not classified
<b>Respiratory or skin sensitisation</b>	: Not classified. (No sensitizing reaction was observed for guinea pigs. (Results obtained on a similar product))
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified.
<b>titanium dioxide (13463-67-7)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	5 mg/kg bodyweight rat
<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>2,6-Di-tert-butyl-4-methylphenol (128-37-0)</b>	
NOAEL (oral, rat, 90 days)	25 mg/kg bodyweight/day Digestive, live, urogenital, kidneys, glandular, thyroids, adrenal gland.
<b>Aspiration hazard</b>	: Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>limestone (1317-65-3)</b>	
LC50 fish 1	> 200 mg/l
<b>Aluminum oxide (1344-28-1)</b>	
EC50 Daphnia 1	> 1470 mg/l
NOEC (acute)	> 50 mg/l
<b>rosin (8050-09-7)</b>	
LC50 fish 1	< 10 mg/l 96 h
EC50 Daphnia 1	911 mg/l 48 h
<b>2,6-Di-tert-butyl-4-methylphenol (128-37-0)</b>	
LC50 fish 1	0.199
EC50 Daphnia 1	0.48 mg/l
EC50 other aquatic organisms 1	0.758 mg/l
NOEC (acute)	0.15 mg/l
<b>nickel dihydroxide (12054-48-7)</b>	
LC50 fish 1	15.3 mg/l 96 h
EC50 Daphnia 1	> 200 µg/l 48 h
<b>Paraffin waxes and Hydrocarbon waxes (8002-74-2)</b>	
LC50 fish 1	> 1000 mg/l
<b>Silicon dioxide (amorphous) (7631-86-9)</b>	
LC50 fish 1	> 10000 mg/l
EC50 Daphnia 1	> 1000 mg/l
<b>Zirconium oxide (1314-23-4)</b>	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l
<b>Iron oxide red (1309-37-1)</b>	
EC50 Daphnia 1	> 100 mg/l
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
LC50 fish 1	> 500 mg/l 96 h
EC50 Daphnia 1	> 110 mg/l 48 h

#### 12.2. Persistence and degradability

<b>limestone (1317-65-3)</b>	
Persistence and degradability	Not readily biodegradable.
<b>rosin (8050-09-7)</b>	
Biodegradation	71 % 28 d
<b>2,6-Di-tert-butyl-4-methylphenol (128-37-0)</b>	
Persistence and degradability	Not readily biodegradable. May cause long-term adverse effects in the environment.
<b>nickel dihydroxide (12054-48-7)</b>	
Persistence and degradability	Not readily biodegradable.
<b>Carbon black (1333-86-4)</b>	
Persistence and degradability	Not readily biodegradable.
<b>Silicon dioxide (amorphous) (7631-86-9)</b>	
Persistence and degradability	Product persists.
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % 28 d

#### 12.3. Bioaccumulative potential

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<b>limestone (1317-65-3)</b>	
Bioaccumulative potential	Does not bioaccumulate significantly.
<b>rosin (8050-09-7)</b>	
Log Pow	3 (3 - 6.2)
<b>2,6-Di-tert-butyl-4-methylphenol (128-37-0)</b>	
Log Pow	5.2
Bioaccumulative potential	This product is not bioaccumulating.
<b>nickel dihydroxide (12054-48-7)</b>	
BCF fish 1	600 - 26500 whole body d.w.; 0 to 26 day exposure
<b>Zirconium oxide (1314-23-4)</b>	
Bioaccumulative potential	Not expected to bioaccumulate.
<b>4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol &lt;1%) (2786-76-7)</b>	
BCF fish 1	53 l/kg
Log Pow	1.28
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
Log Kow	2.1 - 5
Bioaccumulative potential	Bioaccumulative potential.
<b>Stoddard solvent (benzene &lt; 0.1%) (8052-41-3)</b>	
Log Pow	3.16 - 7.15

### 12.4. Mobility in soil

<b>2,6-Di-tert-butyl-4-methylphenol (128-37-0)</b>	
Ecology - soil	Absorbs to soil particles and will not be mobile.
<b>Zirconium oxide (1314-23-4)</b>	
Ecology - soil	Partitions to soil.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
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

Not considered a dangerous good for transport regulations

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) :

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

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### 14.6.2. Transport by sea

No additional information available

### 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 %

## SECTION 16: Other information

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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

Data sources

: ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.

European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. 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.

OSHA 29CFR 1910.1200 Hazard Communication Standard.

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.

TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

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

# B Paintstik® MARKER 1 White, ½ Hex Blue, ½ Hex White, ½ Hex Yellow, 16 Black, 16 Orange, 16 White, 16 Yellow, 3/8 Yellow, Aluminum, Black, Blue, Green, Gray, Orange, Pink, Purple, Red, Silver, White, Yellow

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Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 2	Germ cell mutagenicity, Category 2
Pyr. Sol. 1	Pyrophoric Solids, Category 1
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
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H226	Flammable liquid and vapour
H250	Catches fire spontaneously if exposed to air
H261	In contact with water releases flammable gases
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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
H351	Suspected of causing cancer
H360D	May damage 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
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R15	Contact with water liberates extremely flammable gases
R17	Spontaneously flammable in air
R20/22	Harmful by inhalation and if swallowed
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R45	May cause cancer
R46	May cause heritable genetic damage
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
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
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R61	May cause harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R68	Possible risk of irreversible effects
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant

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Xn	Harmful
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LA-CO EU CLP SDS United Kingdom

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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*