

# Material Safety Data Sheet

(in accordance with the Act No. 163/2001)

Date of issue: 3/1/2006

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Chemical name / Synonyms:</b>	
<b>Product name:</b>	<b>LIGNOLAK</b> - varnish thinned with water for the wooden floorings, parquets, stair carriages and toys
<b>CAS:</b>	
<b>EINECS/ELINCS:</b>	
<b>Company:</b>	COLOR Company, s.r.o.
<b>Company Registration No.:</b>	36307262
<b>Street, No.:</b>	Štúrova 1504
<b>Postal Code:</b>	018 41
<b>Town:</b>	Dubnica n/Váhom
<b>Country:</b>	Slovakia
<b>Telephone:</b>	42/4625500
<b>Fax:</b>	42/4625500
<b>Hotline:</b>	Toxikologické informačné centrum, Klinika pracovného lekárstva a toxikológie FNŠP akad. L. Déreša, Limbová 5, 833 05 Bratislava („Toxicological Information Centre, Occupational Medicine and Toxicology Clinic of Teaching Hospital with Health Centre of acad. L. Déreš“)

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	Concentration	EC	CAS	Symbol	R-phrases
Triethylamine	< 0,5%	204-469-4	121-44-8	F, Xn, C	11-20/21/22-35
a-methyl-2-pyrrolidone	< 5%	212-828-1	872-50-4	Xi	36/38
alcohol C16-18 etoxyled	<0,1%	500-212-8	68439-49-6	Xn	22-36/38
2,2-butoxyetoxy ethanol	0,3%	203-961-6	112-34-5	Xi	36
2-butoxyethanol	2%	203-905-0	111-76-2	Xn	20/21/22-36/38
silicon dioxide	1%	231-545-4	7631-86-9	-	-
Polypropylene glycol	< 0,5%		25322-69-4	Xn	22

## 3. HAZARD IDENTIFICATION

<b>Health Hazards</b>	In a long-term repeated contact it may cause a skin irritation. It can be absorbed by skin.
<b>Environmental Hazards</b>	-

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Get the afflicted person into the fresh air.
<b>Eyes</b>	Flush immediately with pure water.
<b>Skin</b>	Wash with water and soap and use a nourishing cream.
<b>Ingestion</b>	Do not induce vomiting under any circumstances. Transport afflicted person immediately to the physician. the physician.

## 5. FIREFIGHTING MEASURES

<b>Extinguishing Media</b>	unspecified – as suitable for surrounding fire
<b>Other Information:</b>	The preparation is non-flammable

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with the skin. Use personal protective equipment during the disposal. Ventilate closed areas.
<b>Environmental precautions</b>	Prevent release of a large uncontrolled amount of preparation into sewage system.
<b>Methods for cleaning up</b>	Collect with absorbent materials and place into suitable containers. Dispose the agent according the regulations in force (see Section 13.). Flush the residues with a large amount of water.

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## 7. HANDLING AND STORAGE

<b>Handling</b>	When handling, use personal protective equipment and respect the hygienic measures for working with the chemical substances. When using do not eat or drink. Use only in well ventilated areas.
<b>Storage</b>	Store in the original containers in dry and cool place. Protect from freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures	Ventilation in the workplace			
Personal protective equipment				
Respiratory Protection:	If the values of NPHV (The Highest ammissible values of exposure) are not exceeded, it is not necessary			
Eye Protection:	safety glasses			
Skin Protection:	protective gloves			
Maximum Permissible Exposure Value of Employees:				
Chemical name	CAS	Concentration	NPHV	
			average (mg/m <sup>2</sup> )	threshold (mg/m <sup>2</sup> )
2-butoxyethanol	111-76-2	2%	98	246 (K)
Note:				
K: It is easily absorbed by skin.				

## 9. FYZIKÁLNE A CHEMICKÉ VLASTNOSTI

<b>Physical condition</b>	suspension
<b>Colour</b>	milky
<b>Smell</b>	typical
<b>Ph</b>	7-8
<b>Boiling point [°C]</b>	-
<b>Melting point [°C]</b>	-
<b>Flash point [°C]</b>	-
<b>Flammability</b>	-
<b>Auto-ignition Temperature [°C]</b>	-
<b>Explosiveness</b>	-
<b>Lower Explosion Limit</b>	-
<b>Upper Explosion Limit</b>	-
<b>Oxidation Properties</b>	-
<b>Vapour Pressure [hPa]</b>	-
<b>Density [g.cm<sup>-3</sup>]</b>	1,01
<b>Solubility in Water [g.l<sup>-1</sup>]</b>	mixable
<b>Solubility in Solvents [g.l<sup>-1</sup>]</b>	-
<b>Coefficient of <i>n</i>-oct./water Distribution</b>	-
<b>Other</b>	

## 10. STABILITY AND REACTIVITY

<b>Stability Conditions</b>	General conditions for use
<b>Conditions to avoid</b>	Protect from freeze
<b>Substances and materials to avoid</b>	-

## 11. TOXIKOLOGICKÉ INFORMÁCIE

<b>Acute oral toxicity</b>	<b>LD50 (rat)</b>	> 5 000 mg/kg
<b>Acute dermal toxicity</b>	<b>LD50 (rat)</b>	> 5 000 mg/kg
<b>Acute inhalation toxicity</b>		-
<b>Chronic toxicity</b>		-

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<b>Corrosive properties</b>	-
<b>Irritability</b>	-
<b>Sensitising properties</b>	-
<b>Mutagenicity</b>	-
<b>Reproductive toxicity</b>	-
<b>Carcinogenity</b>	-

## 12. ECOLOGICAL INFORMATION

<b>Decomposability</b>	Biological degradability of the surface-active substances is > 80%.
<b>Bioaccumulation</b>	-
<b>Mobility</b>	-
<b>Ecotoxicity</b>	-
<b>Other harmful effects</b>	-

## 13. DISPOSAL CONSIDERATIONS

<b>Method of substance disposal:</b>	According to the Act No. 223/2001 on Wastes, the waste is classified in 08 01 20 as other waste. Dispose in an authorised facility.
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## 14. TRANSPORT INFORMATION

According to transport regulations it is not a dangerous product.

## 15. REGULATORY INFORMATION

### Classification according to Act No. 163/2001 on chemical substances and chemical preparations:

is not classified as dangerous.

Hazard symbol: -

R phrases: -

S phrases:

S2 Keep out of the reach of children.

S 24/25 Avoid contact with the skin and eyes.

S 62 If consumed, do not induce vomiting: seek medical advice immediately and show this container or label

**It contains:** < 5% tensides

## 16. OTHER INFORMATION

The values of the NPHV are specified in the sense of the Government order No. 45/2002 on protection at work with the chemical factors.

Wording of important R sentences from the point 2:

R 20/21/22 Harmful when breathed, at contact with the skin and when swallowed

R 35 It causes strong burns

R 36/38 It irritates the eyes and skin

R 11 Very inflammable