

## ESL screw locking varnish

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

#### 1.1 - Product identifier

Trade name/designation ESL screw locking varnish

Chemical name

Product-type Mixture

#### 1.2 - Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

- Adhesives, sealants
- For professional use only

##### Uses advised against

- This product should not be used for purposes other than the applications referred to above.

#### 1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH  
Wolfener Str. 32-34  
D-12681 Berlin Germany  
Telephone : +49 (0)30 / 36 46 40 36

##### Distributor

ECS AG  
Talstrasse 35-37  
8808 Pfaeffikon  
Switzerland  
gunnar.kleinmann@ecsag.com  
+41 (0)44 / 787 53 53

#### 1.4 - Emergency telephone number

Verwenden Sie Ihre nationale oder lokale Notrufnummer (Deutschland)  
Tel. No.: +49(0)30-19240.  
Schweizerisches Toxikologisches Informationszentrum (Schweiz)/ Centro svizzero di informazione tossicologica (Svizzera)/ Centre Suisse d'Information Toxicologique (Suisse)  
Tel. No.: +41 44 251 51 51  
Tox Info Suisse Notrufnummer: 145 (24 Stunden)/ Numero di emergenza Tox Info Suisse: 145 (24 ore)/ Tox Info Suisse Numéro d'urgence: 145 (24h)  
Giftnotrufzentrale (Österreich)  
Tel. No.: +43 1 406 4343

### SECTION 2: Hazards identification

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

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

Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Eye Irrit. 2	Eye irritation - Category 2
STOT SE 3	STOT-single exposure - Category 3 (H336)

#### 2.2 - Label elements

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

Contains: n-butyl acetate | ethyl acetate

Signal word : Danger

## ESL screw locking varnish

### Hazard pictograms



### Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/lighting/ventilating equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing fume/vapours.
P264	Wash face/hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/protective gloves.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a doctor/a POISON CENTER if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of container/contents to an appropriate recycling or disposal facility in accordance with local/national/regional regulation.

### EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking.
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### 2.3 - Other hazards

#### PBT substances

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

#### vPvB substances

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

## ESL screw locking varnish

### 3.2 - Mixtures

Chemical name	No.	%	Class(es)	Information on the substance
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	>= 20 - < 40	Flam. Liq. 3 - H226 STOT SE 3 - H336 EUH066	(a) (b)
ethyl acetate	CAS No. : 141-78-6 Index No. : 607-022-00-5 EC No. : 205-500-4	>= 20 - < 40	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 - H336 EUH066	(a) (b)

(a) Substance contributing to the classification

(b) Substance with exposure limite value

- For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

Following inhalation

- Do not leave affected person unattended.
- If breathing is irregular or stopped, administer artificial respiration.
- If unconscious but breathing normally, place in recovery position and seek medical advice.
- Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- Remove contaminated, saturated clothing immediately.
- Wash contaminated clothing before reuse.
- Wash immediately with:Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

- Do NOT induce vomiting.
- Do not leave affected person unattended.
- Medical examination necessary even merely on suspicion of intoxication.
- Never give anything by mouth to an unconscious person or a person with cramps.

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

Symptoms and effects - Following inhalation

- May cause drowsiness or dizziness.

Symptoms and effects - Following skin contact

- Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Symptoms and effects - After eye contact

- Causes serious eye irritation.

Symptoms and effects - After ingestion

- No information available.

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

- Treat symptomatically.
- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

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## ESL screw locking varnish

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### SECTION 5: Firefighting measures

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#### 5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Water mist
- Carbon dioxide (CO<sub>2</sub>)
- Foam

Unsuitable extinguishing media

- Strong water jet

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

Special hazards arising from the substance or mixture

- Flammable liquid and vapour.

Hazardous decomposition products

- No data available.

#### 5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Do not allow run-off from fire-fighting to enter drains or water courses.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Remove product from area of fire.
- Use water spray jet to protect personnel and to cool endangered containers.

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### SECTION 6: Accidental release measures

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

For non-emergency personnel

- Provide adequate ventilation.
- Remove all sources of ignition.
- Use personal protection equipment.

For emergency responders

- Use personal protection equipment.
- Do not allow uncontrolled discharge of product into the environment.

#### 6.2 - Environmental precautions

- Do not allow uncontrolled discharge of product into the environment.
- Prevent entry into sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques

- No information available.

## ESL screw locking varnish

### 6.4 - Reference to other sections

- Safe handling: See section 7
- Personal protection equipment: see section 8
- Disposal: See section 13

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

#### Recommendation

- When hot, product develops flammable vapours.
- Always close containers tightly after the removal of product.
- Do not breathe gas/fumes/vapour/spray.
- Flammable vapours can accumulate in head space of closed systems.
- Ground/bond container and receiving equipment.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep away from sources of ignition - No smoking.
- Keep container tightly closed.
- Packages containing these articles shall be clearly marked.

#### Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Wash hands before breaks and after work.
- When using do not smoke.
- Wash contaminated clothing prior to re-use.

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

- Storage class: Flammable liquids
- Ensure adequate ventilation of the storage area.
- Avoid contact with skin, eyes and clothes.
- Avoid the accumulation of electrostatic charges.
- Avoid unlabeled containers.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed in a cool, well-ventilated place.
- Keep/Store only in original container.
- Take precautionary measures against static discharges.

### 7.3 - Specific end use(s)

- Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

<b>n-butyl acetate (123-86-4)</b>	
IOELV TWA mg/m <sup>3</sup> (UE)	241 mg/m <sup>3</sup>
IOELV TWA ppm (UE)	50 ppm
IOELV STEL mg/m <sup>3</sup> (UE)	723 mg/m <sup>3</sup>
IOELV STEL ppm (UE)	150 ppm
<b>ethyl acetate (141-78-6)</b>	
IOELV TWA mg/m <sup>3</sup> (UE)	734 mg/m <sup>3</sup>

## ESL screw locking varnish

IOELV TWA ppm (UE)	200 ppm
IOELV STEL mg/m <sup>3</sup> (UE)	1468 mg/m <sup>3</sup>
IOELV STEL ppm (UE)	400 ppm

- No data available.

### DNEL / PNEC

n-butyl acetate (123-86-4)			
Type	Value	User	Effect
DNEL short-term oral (acute)	2 mg/kg	Consumers	Systemic
DNEL long-term oral (repeated)	2 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	600 mg/m <sup>3</sup>	Workers	Systemic
DNEL acute inhalative	600 mg/m <sup>3</sup>	Workers	Local
DNEL acute inhalative	300 mg/m <sup>3</sup>	Consumers	Systemic
DNEL acute inhalative	300 mg/m <sup>3</sup>	Consumers	Local
DNEL long-term inhalative	300 mg/m <sup>3</sup>	Workers	Systemic
DNEL long-term inhalative	300 mg/m <sup>3</sup>	Workers	Local
DNEL long-term inhalative	35.7 mg/m <sup>3</sup>	Consumers	Systemic
DNEL long-term inhalative	35.7 mg/m <sup>3</sup>	Consumers	Local
DNEL acute dermal, short-term	11 mg/kg	Workers	Systemic
DNEL acute dermal, short-term	6 mg/kg	Consumers	Systemic
DNEL long-term dermal	11 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	6 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0.18 mg/l		
PNEC aquatic, marine water	0.018 mg/l		
PNEC aquatic, intermittent release	0.36 mg/l		
PNEC sediment, freshwater	0.981 mg/kg		
PNEC sediment, marine water	0.098 mg/kg		
PNEC soil	0.09 mg/kg		
PNEC sewage treatment plant (STP)	35.6 mg/l		
ethyl acetate (141-78-6)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	4.5 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	1468 mg/m <sup>3</sup>	Workers	Systemic
DNEL acute inhalative	1468 mg/m <sup>3</sup>	Workers	Local
DNEL acute inhalative	734 mg/m <sup>3</sup>	Consumers	Systemic
DNEL acute inhalative	734 mg/m <sup>3</sup>	Consumers	Local
DNEL long-term inhalative	734 mg/m <sup>3</sup>	Workers	Systemic
DNEL long-term inhalative	734 mg/m <sup>3</sup>	Workers	Local
DNEL long-term inhalative	367 mg/m <sup>3</sup>	Consumers	Systemic
DNEL long-term inhalative	367 mg/m <sup>3</sup>	Consumers	Local
DNEL long-term dermal	63 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	37 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0.24 mg/l		
PNEC aquatic, marine water	0.024 mg/l		
PNEC sediment, freshwater	1.15 mg/kg		
PNEC sediment, marine water	0.115 mg/kg		
PNEC soil	0.148 mg/kg		
PNEC Secondary Poisoning	0.2 mg/kg		
PNEC sewage treatment plant (STP)	650 mg/l		

### 8.2 - Exposure controls

Appropriate engineering controls

- If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

## ESL screw locking varnish

- Technical measures and the application of suitable work processes have priority over personal protection equipment.

### Individual protection measures, such as personal protective equipment

- Eye glasses with side protection
- DIN EN 166
- Protective gloves according to EN374
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
  
- In the case of wanting to use the gloves again, clean them before taking off and air them well.
  
- Suitable material: NBR (Nitrile rubber)
  
- Thickness of the glove material:  $\geq 0,4$  mm
- Breakthrough time:  $> 480$  min.
- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
- Use only respiratory protection equipment with CE-symbol including four digit test number.
  
- Wear anti-static footwear and clothing

### Environmental exposure controls

- It is important to test emissions from ventilation systems or process equipment to ensure that they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	red	<u>Odour</u>	characteristic
Odour threshold	No data available		
pH	4		
Melting point	No data available		

## ESL screw locking varnish

Freezing point	No data available
Boiling point	40 °C
Flash point	< 23 °C
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	1.023 g/ml
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

### Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

### 9.2 - Other information

VOC content	32.5 %
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- Flammable liquid and vapour.

### 10.4 - Conditions to avoid



## ESL screw locking varnish

STOT-repeated exposure - Based on available data, the classification criteria are not met.

Aspiration hazard - Based on available data, the classification criteria are not met.

### 11.2 - Information on other hazards

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

#### Toxicity : Substances

<b>n-butyl acetate (123-86-4)</b>	
EC50 48 hr crustacea	44 mg/l Daphnia OECD 202
LC50 96 hr fish	18 mg/l OECD 203
ErC50 algae	648 mg/l Desmodesmus subspicatus
NOEC chronic crustacea	23.2 mg/l OECD 211
NOEC chronic algae	200 mg/l Desmodesmus subspicatus
<b>ethyl acetate (141-78-6)</b>	
EC50 48 hr crustacea	165 mg/l Daphnia magna
LC50 96 hr fish	230 mg/l Pimephales promelas (fathead minnow)
ErC50 algae	5600 mg/l Scenedesmus subspicatus
NOEC chronic fish	6.9 mg/l Pimephales promelas (fathead minnow) ECOSAR QSAR
NOEC chronic crustacea	2.4 mg/l Daphnia magna
NOEC chronic algae	1000 mg/l Scenedesmus subspicatus

## ESL screw locking varnish

### 12.2 - Persistence and degradability

#### Mixture

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

#### Substances

n-butyl acetate (123-86-4)	
% of biodegradation in 28 days	83 %
ethyl acetate (141-78-6)	
% of biodegradation in 28 days	93.9 %

### 12.3 - Bioaccumulative potential

#### Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

#### Substances

n-butyl acetate (123-86-4)	
Log KOC	2.3
ethyl acetate (141-78-6)	
Bioconcentration factor (BCF)	30
Log KOC	0.68

### 12.4 - Mobility in soil

- No data available.

### 12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 - Endocrine disrupting properties

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7 - Other adverse effects

- No data available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

<u>Waste treatment methods</u>	<ul style="list-style-type: none"> <li>- Dispose of waste according to applicable legislation.</li> <li>- Do not allow to enter into soil/subsoil.</li> <li>- Do not allow to enter into surface water or drains.</li> <li>- Handle contaminated packages in the same way as the substance itself.</li> </ul>
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## ESL screw locking varnish

- Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes / waste designations according to Regulation 2014/955/UE 15 01 07 - glass packaging

08 04 09\* - waste adhesives and sealants containing organic solvents or other hazardous substances

### SECTION 14: Transport information

#### 14.1 - UN number or ID number

UN number (ADR) : UN1263

UN number (RID) : UN1263

UN number (ADN) : UN1263

UN number (IMDG) : UN1263

UN number (IATA) : UN1263

#### 14.2 - UN proper shipping name

UN proper shipping name (ADR) : PAINT RELATED MATERIAL

UN proper shipping name (RID) : PAINT

UN proper shipping name (ADN) : PAINT

UN proper shipping name (IMDG) : PAINT

UN proper shipping name (IATA) : PAINT

#### 14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3

ADR Classification code: : F1

Pictograms



3

Transport hazard class(es) (RID) : 3

## ESL screw locking varnish

### Pictograms



3

Transport hazard class(es) (ADN) : 3

### Pictograms



3

Transport hazard class(es) (IMDG) : 3

### Pictograms



3

Transport hazard class(es) (IATA) : 3

### Pictograms



3

### 14.4 - Packing group

Packing group : II

Packing group (RID) : II

Packing group (ADN) : II

Packing group (IMDG) : II

Packing group (IATA) : II

### 14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

### 14.6 - Special precautions for user

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## ESL screw locking varnish

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### **ADR**

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	163+367+640D+650
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02 R001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8 TP28
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2 S20
<u>ADR Hazard identification number (Kemler No.)</u>	:	33

### **RID**

<u>Special provisions</u>	:	163+367+640D+650
<u>Limited quantity (LQ)</u>	:	5L
<u>Excepted quantities</u>	:	

### **ADN**

<u>Special provisions</u>	:	163+367+640D+650
<u>Limited quantity (LQ)</u>	:	5L
<u>Excepted quantities</u>	:	

### **IMDG**

<u>Special provisions</u>	:	163 367
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	P001
<u>Special packing provisions</u>	:	PP1
<u>IBC instruction(s)</u>	:	IBC02
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8 TP28
<u>EmS codes</u>	:	F-E, S-E
<u>Stowage and handling</u>	:	Category B
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	

## ESL screw locking varnish

### **IATA**

<u>PCA - Excepted quantities</u>	:	E2
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y341
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	1L
<u>PCA - Packing Instructions</u>	:	353
<u>PCA - Maximum Net Quantity per Package</u>	:	5L
<u>CAO - Packing Instructions</u>	:	364
<u>CAO - Maximum Net Quantity per Package</u>	:	60L
<u>Special Provisions</u>	:	A3 A72 A192
<u>ERG Code</u>	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

### **SECTION 15: Regulatory information**

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 32.5 %

- - COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. The Regulation has been published in the Official Journal of the European Union No. L 156, on 14 June, 2016;

- - COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);

- - On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L 353, volume 51 on 31 December, 2008;

- - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);

- - The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).

- Council Directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding. Official Journal L 348, 28/11/1992, pp. 1–8.

- Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

- Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

- Regulation (EU) 2024/2865 of the European Parliament and of the Council of 23 October 2024 amending Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures;

## ESL screw locking varnish

- If special processing conditions (e.g. high pressure or high temperature) can lead to accident hazards, this product is assigned to the risk category P5b.
- P5a Flammable Liquids, Category 1 or 2
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

### 15.2 - Chemical Safety Assessment

## SECTION 16: Other information

### SDS versions

Version	Issue date	Author	Description of the amendments
1	28/10/2025		

### Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

### Data sources:

European Chemicals Agency (ECHA)  
European Chemicals Bureau (ECB)  
International Laboratories Organization (ILO)

### Evaluation methods

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

### Texts of the regulatory sentences

Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3

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## ESL screw locking varnish

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H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
STOT SE 3	STOT-single exposure - Category 3 (H336)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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