

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

SECTION 1: Identification of the mixture and of the company

1.1 Product identifier:

Trade name: **Schrauben-Sicherungslack**

Item Nr. / Colour:

10081 Colourless; 11000 White; 12000 Yellow; 13000 Red; 14000 Blue;
15000 Green; 17000 Grey; 18000 Black

Size of unit/Package size: Alloytubes of 20ml

1.2 Relevant identified uses of the mixture and uses advised against

1.2.1 Relevant identified uses:

Main industrial application is sealing and securing screws, threads, bolts and casings/boxes to give proof of manipulation. Further it is used for signing and marking on a wide range of surfaces. Always test compability.

1.2.2 Uses advised against:

The product was not developed to be used as glue/adhesive.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/distributor:

Lackfabrik Baeder GmbH&Co KG

PO Box 10 01 25

D - 73701 Esslingen/Neckar Germany

Telephone: +49 (0) 711 / 381607

Fax: +49 (0) 711 / 383092

Internet: www.baederlacke.de

email: info@baederlacke.de

Information contact: Dr. Jan-Hendrik Hoffmann

National contact: dito

1.4 Emergency telephone number:

According Product: +49 (0) 711 / 381607 (during office hours)

German Poison Center: +49 (0) 61 31 / 19 24 0 (24 h German/English language)

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 2: Hazards identification

2.1. Classification of the substance or mixture:

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

Hazard classes and Hazard categories:

Hazard statements:

Flammable liquid and vapour Cat. 3
Causes serious eye irritation Cat. 2
May cause drowsiness or dizziness Cat. 3

H226
H319
H336

2.1.2. Classification according to 67/548/EEC or 1999/45/EC

R10-66-67

2.1.3 Additional information:

Full text of R-, H-, and EUH phrases: please forward to section 16.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

2.2 Label elements:

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

Product identifier:

Mixtures:

Thread locking/sealing lacquer

Hazard components for labeling:

see 3.2

Authorisation No.:

Hazard pictograms:



Signal word:

-Warning-

Hazard statements:

H226: Flammable liquid and vapour

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

Precautionary statements:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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 POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards:

Criteria for labelling as PBT or vPvB are not matched.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 3: Composition/information on ingredients

3.1 Substances: The product is a mixture of different chemical substances.

3.2 Mixture: Schrauben-Sicherungslack (Thread locking/sealing lacquer)

3.2.1 Description of the mixture: Based on combination of cellulose-nitrate/alkyd-resin

3.2.2 Hazardous ingredients:

CAS No	EC/EINECS No	INDEX No	REACH No	% [weight]	Name	Classification acc. 67/548/EEC
123-86-4	204-658-1	607-025-00-1	01-2119485493-29-0007	> 50%	Butyl acetate 99/100%	R10; R66; R67
1330-20-7 (Isomeric mixture)	905-562-9	601-022-00-9	01-2119555267-33-XXXX	2,5-10%	Xylol	R10; R20; R21; R38 Xn
67-63-0	200-661-7	603-117-00-0	01-2119457558-25-XXXX	2,5-10%	Isopropanol	R11; R36; R67 F; Xi
108-65-6	203-603-9	607-195-00-7		0,2-1,5% (only red/blue/green)	2-Methoxy-1-methylethylacetat	R10; R36 Xi
64742-95-6	265-199-0			0,5-1% (only blue/green)	Naphta light (Petroleum)	R10; R37; R51/53; R65; R66; R67 Xn; N

CAS No	EG No	INDEX No	REACH No	% [weight]	Name	Classification acc. (EC) No 1272/2008 [CLP]
123-86-4	204-658-1	607-025-00-1	01-2119485493-29-0007	> 50%	Butyl acetate 99/100%	Flam. Liq. 3 H226 STOT SE 3 H336 EUH066
1330-20-7 (Isomeric mixture)	905-562-9	601-022-00-9	01-2119555267-33-XXXX	2,5-10%	Xylol	Flam. Liq. 2+3 H226 Ac. Tox. 4 H312 Ac. Tox. 4 H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT RE 2 H373 Asp. 1 H304
67-63-0	200-661-7	603-117-00-0	01-2119457558-25-XXXX	2,5-10%	Isopropanol	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
108-65-6	203-603-9	607-195-00-7		0,2-1,5% (only red/blue/green)	2-Methoxy-1-methylethylacetat	Flam. Liq. 3 H226
64742-95-6	265-199-0	649-356-00-4		0,5-1% (only blue/green)	Naphta light (Petroleum)	Flam. Liq. 3 H226 Aspir. 1 H304 Haz. Aqu. 2 H411 STOT SE 3 H335+H336

3.3 Additional information:

Full text of R-, H-, and EUH phrases: please forward to section 16.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 4: First aid measures

4.1 Description of first aid measures

4.1.1 General informations:

In case of pollution immediately remove clothes.
Contact doctor/physician in case of disorder.
Determine the circumstances of the accident and type of impact with quantity and exposure time.
Never infuse anything through the mouth of an unconscious person.
Remove the affected/injured person from the danger zone, protect from cooling.
Maintain self-protection!
In case of unconsciousness, keep and transport in the recovery position.

4.1.2 Following inhalation:

Fresh air supply.
In case of irritation of the airways consult a doctor..

4.1.3 Following skin contact:

In general the product is not a skin irritant. Skin cleaning with water and soap is suitable.

4.1.4 Following eye contact:

If present remove contact lenses.
Flush eyes with running water for at least 15 min with eyelid open.
Have the person treated by a doctor.

4.1.5 Following ingestion:

Sip 200-300ml/a cup of water Wasser to achieve a diluting effect, avoid vomiting.
No neutralisation attempts.
If disorder persists contact doctor/physician.

4.1.6 Self-protection of the first aider:

Wear protective clothing according to amount of exposition (Protective gloves/Eyeprotection/Respiratory protection).

4.2 Most important symptoms and effects, both acute and delayed

Exposition to vapours may cause drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

No specific antidote, in general it is recommended to provide an eye douche when working with chemicals.
Vomiting followed by aspiration may cause severe aspiration pneumonia.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Foam, CO₂, extinguishing powder or water spray.
Fight larger fires with water spray or alcohol-resistant foam.

Unsuitable extinguishing media: Full water jet to avoid broadening and diversion of the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Under certain fire conditions it is not possible to rule out traces of toxic substances e.g. Nitrous gases/nitric oxide (NO_x).

5.3 Advice for fire-fighters

In case of fire put on self contained breathing apparatus and protective suit.

Cool down containers which are at risk with water spray.

Spray down leaking gases/vapour with water.

Collect contaminated extinguishing water separately. It must not enter the wastewater system.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Protective equipment: Refer to section 8 for personal protective equipment, keep all unprotected persons at a distance. Remove all persons not required for emergency operation from the affected area.
Seal all leaks, be always aware of self-protection!

6.1.2 For emergency responders:

Personal protective equipment: Wear protective clothing as mentioned in section 8, always double-check sufficient protection according to declaration of the protective clothing manufacturer.

6.2 Environmental precautions

Do not allow product to enter into the drainage/wastewater system, surface water, ground water, pits and cellars.
Cover and seal all passages to prevent from penetrating into drainage systems.
Inform the respective authorities in case of penetration into waterways or the drainage system.
Avoid release into the atmosphere/environment..

6.3 Methods and materials for containment and cleaning

Absorb with liquid binding material (sand, diatomaceous earth, acid binder, universal binder).
Transfer the absorbed product to labelled and sealable containers.
Dispose of the absorbent material in accordance with the local regulations.
Pump off larger amounts, use only spark-free tools, ensure proper grounding/earthing to prevent electrostatic charges.
Ensure sufficient ventilation.

6.4 Reference to other sections

Please notice safety measures mentioned in section 7, 8, and 13.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 7: Handling and storage

7.1 Precautions for safe handling

General safety measures when dealing with chemicals must be adhered to.

Fumes are heavier than air, always ensure sufficient ventilation.

General sanitary measures:

- Never drink, eat or smoke in working area
- Wash your hands before breaks and after work
- Take off contaminated clothes before entering break rooms

7.1.1 Protective measures:

Fire prevention:

Keep ignition sources/sparks out of reach, do not smoke!!

Take measures to prevent electrostatic charges.

Keep away from fire, sparks and strong oxidising agents.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels:

Store under cool conditions, recommended storage temperature range is +4°C to +20°C.

Minimal shelf life at +20°C is one year, at +5°C four years.

Water management law in relation to water-polluting substances must be adhered to.

Adhere to the storage conditions stipulated in VbF (German ordinance relating to flammable liquids).

7.2.2 Joint storage instructions:

Do not store under following conditions or in the vicinity of:

- Fire, sparks, strong oxidising agents
- Drugs/medicine, food, animal food
- Agents liable to spontaneous combustion/spontaneously flammable in air
- Agents that liberate flammable gases in contact with water
- Organic peroxides

7.2.3 Further informations on storage conditions:

Storage class:

Classification as per *Betriebssicherheitsverordnung* (BetrSichV; Federal German operational safety ordinance):

- Flammable

Store larger amounts on a solvent-resistant base or retention-pond to prevent from penetrating into ground.

7.3 Specific end-uses

Use only on clean and degreased surfaces to seal, sign or plomb screws, connectors and casings. According to manifold possible applications always ensure compatibility with the materials/surfaces.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits:

Limit value type (Country of origin)	Substance name	CAS-No.:	Occupational exposure limit value		Peak limitation	Source
			Long term	Short term		
Germany/DFG: MAK	Butylacetat	123-86-4	480mg/m ³	960mg/m ³		GESTIS
Germany/DFG: MAK	Xylol (mixed isomers)	1330-20-7	440mg/m ³	880mg/m ³	2(II)	GESTIS
EU/SCOEL			221mg/m ³	442mg/m ³		dito
Germany/DFG: MAK	IPA	67-63-0	500mg/m ³	1000mg/m ³	2 (II)	GESTIS
Germany/DFG: MAK	MPA	108-65-6	270mg/m ³	270mg/m ³		GESTIS
EU/SCOEL			275mg/m ³	550mg/m ³		dito
Germany/AGS: AGW	Petroleum (Naphtha)	64742-95-6	100mg/m ³			TRGS 900

Always make sure preventive industrial medical examinations are carried out.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 **Version:** 1.1 En

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Technical measures like local exhaust ventilation and exhaust air units have priority over personal protective clothing. Always ensure sufficient ventilation.

8.2.2 Personal protective equipment:

General safety and sanitary measures:

Wash your hands before breaks and after work. Avoid inhalation of fumes.
Check with the manufacturer of protective equipment whether the selected protection is sufficient.

8.2.2.1 Eye/face protection:

If particular working conditions may lead to splashing of the product, use all-round safety goggles.

8.2.2.2 Skin protection:

Hand protection:

Glove material must be impermeable and resistant to solvents. The preparation consists of several substances therefore the resistance of the glove materials cannot be calculated in advance and has to be checked prior to and during use.

Not suitable are gloves made of natural rubber/latex (NR) and polyvinyl chloride (PVC).

Gloves must be selected taking into account the penetration time, permeation rate and degradation.

Based on recommendations according Xylol suitable glove material is for instance Fluorelastomer/Viton® with permeation rate >480min.

Body protection/other protection:

Occupational safety clothing, always prefer antistatic clothing.

8.2.2.3 Respiratory protection:

Not required in well-ventilated areas.

If occupational exposure limits/maximal allowable concentration (MAC) of an ingredient is exceeded sufficient respiratory protection is required e.g. full-face/semi-face filter masks. Please refer to BGR (German institution for statutory accident insurance and prevention) rule No. 190 concerning time limit of usage. Filter classes are:

Gas filter A1 up to 1000 ml/cbm (ppm)

Gas filter A2 up to 5000 ml/cbm (ppm)

Gas filter A3 up to 10000 ml/cbm (ppm)

8.2.3 Environmental exposure controls: Please refer to section 6 and 7.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance:

Physical state: Viscous/liquid

Colour: According to product colour/refer to product description

Smell: Characteristic

9.1.2. Safety relevant basic data:

	Value	Method/Source
pH (at 20°C):	Not applicable	
Melting point/melting range:	Not determined	
Boiling point/boiling range:	Not determined	
Decomposition temperature:	Not determined	
Flash point (°C):	25°C	Abel-Pensky
Ignition temperature (°C):	200°C-300°C	DIN 51794
Vapour pressure (hPA):	Not determined	
Vapour density (Air=1):	Not determined	
Density (g/cm³) at 20°C:	1,100g/cm ³	Own analysis
Bulk density (kg/m³):	Not determined	
Water solubility (20°C in g/l):	Not soluble	Own analysis
Partition coefficient:	Not determined	
n-Octanol/Water (log Po/w):	Not determined	
Viscosity, kinematic at 23°C:	>60 s (ISO 6mm)	Own analysis
Spontaneous combustibility:	Not spontaneously combustible	
Explosion risk:	The product is not an explosion hazard but the formation of vapour/air mixtures which pose an explosion risk is possible.	
Organic solvent content:	< 65% organic solvents	Own analysis

9.2 Other safety information:

None

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 10: Stability and reactivity

10.1 Reactivity

Keep away from acid/alkaline solutions and strong oxidising agents, please refer to section 7.

10.2 Chemical stability

No decomposition or hazardous decomposition products if used properly under normal conditions.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Temperatures below 15°C decelerate hardening of the product, temperatures above 25°C increase evaporation of the solvents. Strong heating is liable to cause flammable vapour/air mixture.

10.5 Incompatible materials

Please always test the product with the surfaces and materials of your specific utilization. According to countless applications it is not possible to list all incompatibilities. Keep in mind rubber and plastics in general are liable to incompatibilities with solvents.

10.6 Hazardous decomposition products

Combustion may liberate nitrous gases/nitric oxide (NO_x).

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:

Ingredients liable to trigger dermal toxicity:

Xylol (2,5-10%), LD 50 (dermal): ATE 1100 mg/kg

Calculated value of acute dermal toxicity ATE (mix): 16666 mg/kg

Ingredients liable to trigger inhalative toxicity:

Xylol (2,5-10%), LC 50 (inhalative): ATE 1,5 ppmV

Calculated value of acute inhalative toxicity ATE (mix): 166,667 mg/l/4h

Corrosivity/irritation of skin:

Ingredients of concern:

Xylol (2,5-10%) additive, classification of substance: Category 2

SCL: Category 2: 10 % (General limit value)

Severe eye irritation:

Ingredients of concern:

Isopropyl alcohol (2,5-10%) additive, Classification of substance: Category 2

SCL: Category 2: 10 % (General limit value)

Xylol (2,5-10 %) additive, Classification of substance: Category 2

Category 2: 10 % (General limit value)

As per result the mixture is graded Category 2.

Specific target organ toxicity (single exposure): Narcotic effect:

Ingredients of concern:

Butyl acetate (>50%), Classification of substance: Category 3

SCL: Category 3: 20 % (General limit value)

Isopropyl alcohol (2,5-10 %), Classification of substance: Category 3

Category 3: 20 % (General limit value)

Naphta light (<1%), Classification of substance: Category 3

Category 3: 20 % (General limit value)

As per result the mixture is graded category 3.

Skin irritation:

Ingredients of concern:

Xylol (2,5-10%), Classification of substance: Category 2

SCL: Category 2: 10 % (General limit value)

As per result the mixture is not graded in this hazard class.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: Schrauben-Sicherungslack (Thread locking/sealing lacquer)

Revision date: 11.07.2012 **Version:** 1.1 En

11.2 Other information/practical experience

The classification of the mixture is based on calculation methods. Other hazards than the above declared are not to be expected. Exposure or inhalation above the occupational exposure limits may cause irritations and edema of the respiratory mucosa.

Be alert for symptoms of systemic effect such as:

Headache, somnolence, drowsiness, vertigo, excitation, seizures.

Swallowing may cause symptoms like nausea and vomiting that may lead to aspiration pneumonia.

Solvents in general are liable to degrease the skin which may result in allergic reactions. In addition to this the protective function of the skin against pollutants is decreased.

11.3 Overall assessment on CMR properties

Studies according the CMR properties of the mixture were not performed.

The ingredients itself are not subject to CMR-classification.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Dangerous to fish.

Ingredients with subject to water hazard:

- **Light naphtha (<1%)**, Category 2,
- **Xylol (2,5-10%)**; Water hazard class 2 (register classification); water-polluting

12.2 Persistence and degradability

Biodegradation:

Substance:	Degradation rate (%)	Time (d)	Method	Evaluation	Remark
Butyl acetate	98,00%		OECD 301 D	Easy degradable	Manufacturer information
Xylol mixture	> 60%	28d	OECD Test guideline 301 F	Easy degradable	Manufacturer information
Isopropanol	95,00%	21d	OECD 301 E	Easy degradable	Manufacturer information

12.3 Bioaccumulative potential

No data available for the mixture.

12.4 Mobility in soil

No data available for the mixture.

12.5 Results of PBT an vPvB assessment

PBT: not applicable

vPvB: not applicable

12.6 Additional information

General advice: Do not allow to enter groundwater, waterways or the drainage system.

A hazard to drinking water even when small quantities leak into ground.

Avoid release in the environment.

Product is free of heavy metals, dibutyl phtalate, silicone and CFCs.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal in line with international, national and local authorities regulations. If disposed of within the EU please consider the european waste catalogue such as:

European waste catalogue:

08 01 11	Paint and lacquer waste which contain organic solvents or other hazardous substances
----------	--

Must not be disposed of together with domestic waste or drainwater. Do not allow to enter the drainage system. The selection of the disposal method depends on the composition of the product at the time of disposal and the local disposal facilities.

The tube consists of **Aluminium**, the box of **cardboard**.
Always dispose of in line with the authorities regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

Remark: Not subject to the regulations for transportation of dangerous goods in vessels < 450 Liter !

UN-Number: 1263; Hazard number 30+33

Proper shipping name: Paint

Class: 3 (F1)

Packaging group: III (Low-hazard substances)

Hazard label: 3

14.2 Marine transport (IMDG-Code/GGVSee)

Remark: Not subject to the regulations for transportation of dangerous goods in vessels < 30 Liter !

UN-No.: 1263

Proper shipping name: Paint

Class: 3

Packing group: III

Marin pollutant: No

EmS: F-E; S-E

14.3 Air transport (ICAO-IATA-DGR)

HAZMAT/flammable liquid

UN-No.: 1263

Proper shipping name: Paint

Class: 3

Packing group: III



14.4 Special precautions for the user

Please refer to the storage directions in chapter 7.

14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code

The product is distributed only in appropriate and approved packaging.
No bulk distribution.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 15: Regulatory information

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

15.1.1 EU regulations:

The product is classified and labelled as per EC Directives (67/548/EEC; (EC) No. 1999/45; (EC) No. 1272/2008)

Other EU regulations:

(EC) No. 1005/2009 (Substances that deplete ozone layer),
(EC) No. 850/2004 (Persistent organic pollutants),
(EC) No. 689/2008 (Import/Export of dangerous chemicals),
(EC) No. 648/2004 (Directive on detergents),
are **not** applicable.

No ingredient is subject to directive (EC) 1907/2008 Appendix VIII.

VOC fraction as per (EC) No. 1999/13: < 650g/l

15.1.2 National regulation (Germany)

Die Beschäftigungsbeschränkungen nach Jugendarbeitsschutzgesetz, Mutterschutzgesetz und Heimarbeitsgesetz ist/sind zu beachten.

Betriebssicherheitsverordnung (BetrSichV): Entzündlich

Störfallverordnung (12. BimSchV): Nicht zutreffend für handelsübliche Mengen

Wassergefährdungsklasse (Water Hazard Class): (Selbsteinstufung) WGK 2: wassergefährdend

Technische Anleitung Luft (TA-Luft):

Klasse	Anteil in %
NK	50-100

15.2 Chemical safety assessment

A chemical safety assessment for the mixture was not conducted.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

Section 16: Other informations

16.1 Indication of change: Revision of the SDS of 22.4.2012/chapter 2.1.1, 2.1.2 and 16.6

16.2 Abbreviations and acronyms:

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
BimSchV: Verordnung zur Durchführung des Bundes-Immissionschutzgesetzes
CAS: Chemical Abstracts Service
DIN: Norm des Deutschen Instituts für Normung
EC: European Community
EN: Europäische Norm
IATA-DGR: International Air Transport Association-Dangerous Goods Regulations
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization-Technical Instructions
IMDG: International Maritime Code for Dangerous Goods
ISO: International Standards Organization
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
log Kow: Partition coefficient between octyl alcohol and water
MARPOL: Maritime Pollution Convention
OECD: Organization for Economic Co-operation and Development
PBT: Persistent, bio-accumulative, toxic
RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses
TRGS: Technische Regeln für Gefahrstoffe (technical directive on hazardous substances)
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bio-accumulative
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe (Directive on water pollutants)
WGK: Wassergefährdungsklasse (Water Hazard Classification)

16.3 Key literature references and sources for data

Directives:

Dangerous preparations directive (1999/45/EC), modified by (EC) No. 1907/2006.

Dangerous substances directive (67/548/EEC)

REACH directive (EC) No. 1907/2006, modified by (EC) No. 253/2011

CLP directive (EC) No. 1272/2008, modified by (EC) No. 286/2011

Internet:

<http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://gestis.itrust.de>

<http://www.gischem.de>

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)



Trade name: **Schrauben-Sicherungslack (Thread locking/sealing lacquer)**

Revision date: 11.07.2012 Version: 1.1 En

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 (CLP):

Classification according to (EC) No. 1207/2009:	Classification method:
Flammable liquid, Category 3, H226	Calculation method
Causes serious eye irritation, Category 2, H319	Calculation method
STOT SE 3: May cause drowsiness or dizziness, Category 3, H336	Calculation method

16.5 Relevant R-, H- and EU-phrases (number and full text)

Accordinging regulations (EC) No. 1272/2008:

H225	Flam. Liq. 2	Highly flammable liquid and vapour
H226	Flam. Liq. 3	Flammable liquid and vapour
H304	Aspir. 1	May be fatal if swallowed and enters airways
H312	Ac. tox. 4	Harmful in contact with skin
H315	Skin irrit. 2	Causes skin irritation
H319	Eye irrit. 2	Causes serious eye irritation
H332	Ac. tox. 4	Harmful if inhaled
H335	STOT SE 3	May cause respiratory irritation
H336	STOT SE 3	May cause drowsiness or dizziness
H373	STOT RE 2	May cause damage to organs through prolonged or repeated exposure
H411	Haz. Aqua. 2	Toxic to aquatic life with long lasting effects
EUH066		Repeated exposure may cause skin dryness or cracking

Accordinging regulation 67/548 EEC:

Relevant R-phrases:	Full text:
R 10	Flammable
R 20/21	Harmful by inhalation and in contact with skin
R 38	Irritation to skin
R 66	Repeated exposure may cause skin dryness or cracking
R 67	Vapours may cause drowsiness and dizziness

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16.6 Training advice

The product is used in manifold applications on many different surfaces and application conditions. The specified working conditions for the user are out of our knowledge and control. Before any new application we always recommend testing for compatibility with the surface materials.

As a general rule the surface of application must be clean, dry, degreased, free of oil and rust in order to optimize adhesion of the product. Apply the product directly dropwise on the screw/thread or other application area to be sealed or marked.

Setting/drying of the product depends on working conditions like temperature of air and material and the layer thickness needed for the specific application. At room temperature of 20°C, the hardening is usually completed within 5-30 minutes (dust-dry).

Once the product is dried through/hardened (2-4 days) the product is chemical resistant against water, oil, petrol and diluted acids and alkaline solutions.

Acetone is suitable to clean tools or remove product residues.

The shelf life of the product is one year after manufacturing at +20°C storage temperature and approx. four years at +5°C. Please perform application tests after long-time storage.

The information in this safety data sheet describes the safety requirements for our product and reflects our current knowledge. However it does not represent a guarantee of product properties and is not the basis for any contractual legal relationship.