



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
and Regulation (EU) No 2015/830

Revision date: 11/6/2015
Version: 3
Language: en-GB,IE
Date of print: 7/7/2016

TOOLCRAFT

TOOLCRAFT Schraubensicherungslack

Material number 888635

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

1.1 Product identifier

Trade name: TOOLCRAFT Schraubensicherungslack

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

General use: Securing lacquer

1.3 Details of the supplier of the safety data sheet

Company name: Conrad Electronic SE
Street/POB-No.: Klaus-Conrad-Str. 1
Postal Code, city: 92240 Hirschau
Germany
WWW: www.conrad.de
E-mail: quality-control@conrad.de
Telephone: +49 (0)9604 / 40 - 8988
Telefax: +49 (0)9604 / 40 - 8936

1.4 Emergency telephone number

+49 (0) 89-19240 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H319
H336

Causes serious eye irritation.
May cause drowsiness or dizziness.



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Precautionary statements:

P102	Keep out of reach of children.
P261	Avoid breathing vapours.
P280	Wear protective gloves and eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains 1-Methoxy-2-propanol, Isopropyl alcohol and Ethyl acetate.

2.3 Other hazards

No risks worthy of mention.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 203-539-1 CAS 107-98-2	1-Methoxy-2-propanol	< 11 %	Flam. Liq. 3; H226. STOT SE 3; H336.
EC No. 200-661-7 CAS 67-63-0	Isopropyl alcohol	< 7 %	Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336.
EC No. 215-535-7 CAS 1330-20-7	Xylene, isomeric mixture	< 6 %	Flam. Liq. 3; H226. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315.
EC No. 205-500-4 CAS 141-78-6	Ethyl acetate	< 5 %	Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336. (EUH066).

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Move victim out of danger zone. Immediately remove all contaminated clothing.

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. In case of respiratory difficulties seek medical attention. If unconscious place in recovery position and seek medical advice.



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- Following skin contact: Immediately remove all contaminated clothing. Thoroughly wash skin with soap and water. In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek the attention of an ophthalmologist immediately.
- After swallowing: Do not induce vomiting. Danger of aspiration!
Rinse mouth immediately and drink plenty of water.
Never give anything by mouth to an unconscious person.
Keep airway open. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

After contact with skin: Repeated exposure may cause skin dryness or cracking.
May cause irritations.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Attention in case of vomiting and stomach pumping: danger of aspiration. Accelerate intestinal transit.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet

5.2 Special hazards arising from the substance or mixture

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.

May form dangerous gases and vapours in case of fire.

Reignition possible over considerable distance.

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Move container away or cool with water from a protected position. Do not expose to high temperature. Danger of bursting and explosion. Use water spray jet to knock down vapours. Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Avoid contact with the substance.

Wear appropriate protective equipment. Keep unprotected people away.

Do not breathe vapours. Provide adequate ventilation.



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6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Provide adequate ventilation.

Additional information: Use only spark proof tools. Beware of reignition.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Do not allow containers to stand open.

Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes. Do not breathe vapours.

Wear appropriate protective equipment.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges. Use explosion-proof equipment and non-sparking tools/utensils.

Vapours are invisible, heavier than air and will spread at floor level. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.

Keep away from sources of ignition and heat.

Protect against heat /sun rays.

Provide solvent resistant flooring.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
107-98-2	1-Methoxy-2-propanol	Europe: IOELV: STEL	568 mg/m ³ ; 150 ppm (May be absorbed through the skin.)
		Europe: IOELV: TWA	375 mg/m ³ ; 100 ppm (May be absorbed through the skin.)
		Great Britain: WEL-STEL	560 mg/m ³ ; 150 ppm
		Great Britain: WEL-TWA	375 mg/m ³ ; 100 ppm
		Ireland: 15 minutes	568 mg/m ³ ; 150 ppm
67-63-0	Isopropyl alcohol	Ireland: 8 hours	375 mg/m ³ ; 100 ppm
		Great Britain: WEL-STEL	1250 mg/m ³ ; 500 ppm
		Great Britain: WEL-TWA	999 mg/m ³ ; 400 ppm
		Ireland: 15 minutes	400 ppm
1330-20-7	Xylene, isomeric mixture	Ireland: 8 hours	200 ppm
		Europe: IOELV: STEL	442 mg/m ³ ; 100 ppm (May be absorbed through the skin.)
		Europe: IOELV: TWA	221 mg/m ³ ; 50 ppm (May be absorbed through the skin.)
		Great Britain: WEL-STEL	441 mg/m ³ ; 100 ppm
		Great Britain: WEL-TWA	220 mg/m ³ ; 50 ppm
141-78-6	Ethyl acetate	Ireland: 15 minutes	442 mg/m ³ ; 100 ppm (May be absorbed through the skin.)
		Ireland: 8 hours	221 mg/m ³ ; 50 ppm (May be absorbed through the skin.)
		Great Britain: WEL-STEL	1460 mg/m ³ ; 400 ppm
		Great Britain: WEL-TWA	730 mg/m ³ ; 200 ppm
		Ireland: 15 minutes	400 ppm
		Ireland: 8 hours	200 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
1330-20-7	Xylene, isomeric mixture	Great Britain: BMGV, urine	650 mmol/mol creatinine	methyl hippuric acid	end of exposure or end of shift



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DNEL/DMEL:

Information about 1-Methoxy-2-propanol:

Systemic effects:

DNEL Long-term, workers, dermal: 50.6 mg/kg bw/d

DNEL Long-term, workers, inhalative: 369 mg/m³

DNEL Long-term, consumers, oral: 3.3 mg/kg bw/d

DNEL Long-term, consumers, dermal: 18.1 mg/kg bw/d

DNEL Long-term, consumers, inhalative: 43.9 mg/m³

Local effects:

DNEL Short-term, workers, inhalative: 533.5 mg/m³

Information about Isopropyl alcohol:

Systemic effects:

DNEL Long-term, workers, dermal: 888 mg/kg bw/d

DNEL Long-term, workers, inhalative: 500 mg/m³

DNEL Long-term, consumers, oral: 26 mg/kg bw/d

DNEL Long-term, consumers, dermal: 319 mg/kg bw/d

DNEL Long-term, consumers, inhalative: 89 mg/m³

PNEC:

Information about 1-Methoxy-2-propanol:

PNEC water (freshwater): 10 mg/L

PNEC water (marine water): 1 mg/L

PNEC water (intermittent release): 100 mg/L

PNEC sediment (freshwater): 52.3 mg/kg dw

PNEC sediment (marine water): 5.2 mg/kg dw

PNEC soil: 5.2 mg/kg dw

PNEC sewage treatment plant: 100 mg/L

Information about Isopropyl alcohol:

PNEC water (freshwater): 140.9 mg/L

PNEC water (marine water): 140.9 mg/L

PNEC water (intermittent release): 140.9 mg/L

PNEC sediment (freshwater): 552 mg/kg dw

PNEC sediment (marine water): 552 mg/kg dw

PNEC soil: 28 mg/kg dw

PNEC sewage treatment plant: 552 mg/L

PNEC Secondary Poisoning, oral: 160 mg/kg food and feedingstuffs

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection: When aerosols and vapours form:

Use combination filter type A-(P2) according to EN 14387.

Hand protection:

Protective gloves according to EN 374.

Glove material: butyl caoutchouc (butyl rubber) - Layer thickness: \geq 0.5 mm

Breakthrough time: \geq 60 min

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Body protection:

Use solvent-resistant protective clothing.



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General protection and hygiene measures:

Avoid contact with skin and eyes.
Do not inhale substance. Immediately remove all contaminated clothing.
Wash hands before breaks and after work. When using do not eat or drink.
Work place should be equipped with a shower and an eye rinsing apparatus.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: viscous Colour: varying, depends on colouring
Odour:	type specific
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	-95 °C
Initial boiling point and boiling range:	77 - 143 °C
Flash point/flash point range:	76.68 °C
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): 1.70 Vol-% UEL (Upper Explosive Limit): 11.50 Vol-%
Vapour pressure:	at 20 °C: 100 hPa
Vapour density:	No data available
Density:	0.96 g/mL
Water solubility:	at 20 °C: 16.472 g/L
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	8 mm 200 s
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature:	270 °C
Solvent content:	approx. 50 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.



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10.3 Possibility of hazardous reactions

On contact with air, potentially explosive mixtures may develop.
Especially in closed containers potentially explosive mixtures may form above water surface.

10.4 Conditions to avoid

Do not smoke, no open fire, no sparks.
Keep away from heat. Take precautionary measures against static discharges.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Rat, oral: 5000 mg/kg (1-Methoxy-2-propanol)
LD50 Rabbit, dermal: 13000 mg/kg (1-Methoxy-2-propanol)
LC50 Rat, inhalative: 8000 mg/L/4h (1-Methoxy-2-propanol)
LD50 Rat, oral: 5000 mg/kg (Isopropyl alcohol)
LD50 Rabbit, dermal: 5000 mg/kg (Isopropyl alcohol)
LD50 Rat, oral: 5600 mg/kg (Ethyl acetate)
LD50 Rabbit, dermal: 18000 mg/kg (Ethyl acetate)
LC50 Rat, inhalative: 5500 mg/L/6h (Ethyl acetate)
LD50 Rat, oral: 8700 mg/kg (Xylene)
LD50 Rabbit, dermal: 2000 mg/kg (Xylene)
LC50 Rat, inhalative: 6350 mg/L/4h (Xylene)

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.
Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
Skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.



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Symptoms

After contact with skin: Repeated exposure may cause skin dryness or cracking.
May cause irritations.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Fish toxicity: LC50: > 15.70 mg/L/96h.

Toxicity to daphnia and other aquatic invertebrates: EC50: > 85.00 mg/L/48h.

Algae toxicity: IC50: > 4.60.

Information about 1-Methoxy-2-propanol:

Algae toxicity:

EC50 *Pseudokirchneriella subcapitata* (green algae): > 1000 mg/L/7d.

Daphnia toxicity:

LC50 *Daphnia magna* (Big water flea): 21100 - 25900 mg/L/48h.

Fish toxicity:

LC50 *Pimephales promelas* (fathead minnow): 20800 mg/L/96h.

Information about Isopropyl alcohol:

Toxic effect on fishes and plankton.

Algae toxicity:

EC50 *Desmodesmus subspicatus* (green algae): > 1000 mg/L/72h (IUCLID).

Bacterial toxicity:

EC5 *Pseudomonas putida*: 1050 mg/L/16h.

Daphnia toxicity:

EC50 *Daphnia magna* (Big water flea): 13299 mg/L/48h (IUCLID).

Fish toxicity:

LC50 *Lepomis macrochirus* (bluegill): 1400 mg/L/96h (ECOTOX Database).

12.2. Persistence and degradability

Further details:

Easily bio-degradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 14 06 03* = other solvents and solvent mixtures
* = Evidence for disposal must be provided.

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Do not dispose of with household waste.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -
No data available



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National regulations - EC member states

Labelling of packaging with <= 125mL content



Hazard statements:	H336	May cause drowsiness or dizziness.
Precautionary statements:	P102	Keep out of reach of children.
	P261	Avoid breathing vapours.
	P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
	P501	Dispose of contents/container to hazardous or special waste collection point.

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

- H225 = Highly flammable liquid and vapour.
- H226 = Flammable liquid and vapour.
- H303 = May be harmful if swallowed.
- H312 = Harmful in contact with skin.
- H315 = Causes skin irritation.
- H319 = Causes serious eye irritation.
- H332 = Harmful if inhaled.
- H336 = May cause drowsiness or dizziness.
- EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: General revision (Regulation (EU) No 2015/830)
Date of first version: 16/9/2013

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.