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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2022

Version number 6 (replaces version 5)

Revision: 09.12.2022

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

1.1 Product identifier Trade name INDULINE SW-900 IT

Article number: 3781

 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
 Product category
 PC8 Biocidal products
 PC9a Coatings and paints, thinners, paint removers
 Application of the substance / the mixture Wood treatment

Email: sales@remmers.co.ukk

1.3 Details of the supplier of the safety data sheetManufacturer/Supplier:Remmers GmbHBernhard-Remmers-Str. 13D-49624 Löningen / GermanyTel.: +49(0)5432/83-0Fax: +49(0)5432/3985Information department:

Product Safety department: Phone: +44 (0) 1293 594 010

Remmers (UK) Limited Unit 4 , Lloyds Court Manor Royal, Crawley – West Sussex RH10 9QU fon +44 (0) 1293 594 010 fax +44 (0) 1293 594 037

1.4 Emergency telephone number:

National Poisons Information Service (NPIS): In England and Wales: NHS 111 - dial 111 In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number: within USA and Canada: 1-800-424-9300 outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

Repr. 1BH360D May damage the unborn child.Aquatic Acute 1H400Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. Hazard pictograms



Signal word Danger

Hazard-determining components of labelling: propiconazole(ISO) Hazard statements H360D May damage the unborn child. Page 2/9

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H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P102 Keep out of reach of children.
- P202 Do not handle until all safety precautions have been read and understood.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains 3-iodo-2-propynyl butylcarbamate, propiconazole(ISO). May produce an allergic reaction.

Restricted to professional users.

2.3 Other hazards

Attention please! This product may cause a self ignition of the material, such as brushes or textiles, if contaminated with the product. Those materials and textiles should be dipped into water after use and before waste treatment. Do not use this product in application cabins, if there are NC - or PUR-coatings are used too, because retarded self-ignitions are possible!

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangorous components [%, w/w	v].	
Dangerous components [% w/w]:		
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60- XXXX	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	≥1-<2.5%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-iodo-2-propynyl butylcarbamate Acute Tox. 3, H331; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.5-<1%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole(ISO) Repr. 1B, H360D; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.5-<1%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36- XXXX	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg	≥0.25-≤0.5%
CAS: 52315-07-8 EINECS: 257-842-9 Index number: 607-421-00-4	cypermethrin STOT RE 2, H373; Aquatic Acute 1, H400 (M=100000); Aquatic Chronic 1, H410 (M=100000); Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335 ATE: LD50 oral: 500 mg/kg LC50/4 h inhalative: 3.3 mg/l	≥0.1-≤0.25%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336	≥0.1-≤0.25%

Additional information For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures 4.1 Description of first aid measures **General information** If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally. Immediately remove any clothing soiled by the product. After inhalation Take affected persons into the open air and position comfortably After skin contact If skin irritation continues, consult a doctor. After eye contact Rinse opened eye for several minutes under running water. After swallowing Seek immediate medical advice. 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available. 4.3 Indication of any immediate medical attention and special treatment needed symptomatic treatment SECTION 5: Firefighting measures 5.1 Extinguishing media Suitable extinguishing agents Use fire fighting measures that suit the environment. 5.2 Special hazards arising from the substance or mixture May be released in case of fire Carbon monoxide (CO) Carbon dioxide further harmful conflagration gases and fumes formaldehyde (Traces) 5.3 Advice for firefighters **Protective equipment:** Wear self-contained breathing apparatus. Wear full protective suit. Additional information Cool endangered containers with water spray jet. Collect contaminated fire fighting water separately. It must not enter drains. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. **SECTION 6: Accidental release measures** 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Use only in well ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: No special requirements. Information on storage in a common storage facility: Store away from food. Further information about storage conditions: Store container in a well ventilated position.

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Protect from frost. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Com	ponents with limit values that require monitoring at the workplace:
CAS:	34590-94-8 (2-methoxymethylethoxy)propanol
WEL	Long-term value: 308 mg/m³, 50 ppm Sk
CAS:	111-76-2 2-butoxyethanol
WEL	Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm Sk, BMGV
CAS:	107-98-2 1-methoxy-2-propanol
WEL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk
Ingre	dients with biological limit values:
CAS:	111-76-2 2-butoxyethanol
BMG	V 240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

Additional information: The lists that were valid during compilation were used as a basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment General protective and hygienic measures

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Avoid close or long term contact with the skin.

Keep away from food, beverages and animal feed.

Wash hands before pauses and after work.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evalutated by the employer depending on the types of operations and the local circumstances. If a risk assessment onsite shows that there is no risk for employees, the personal protective euiqment is not required or the amount of the PPE can be adpated accordingly.

Respiratory equipment:

Respiratory protection if there is a risk of splashes/mist. Filter A/P2.

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Chloroprene rubber, CR

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection if there is a risk of splashes **Body protection:** Closed work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties		
General Information		
Physical state	Fluid	
Colour:	According to product specification	
Odour:	Characteristic	
Odour threshold:	Not determined.	
Melting point/freezing point:	Not determined	
Boiling point or initial boiling point and boiling		
range	100 °C	
Flammability	Not applicable.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	>100 °C	
Ignition temperature:	not applicable	
Decomposition temperature:	Not determined.	
pH at 20 °C	8.5	
Viscosity:		
Kinematic viscosity at 20 °C	11 s (DIN 53211/4)	
dynamic:	Not determined.	
	Not determined.	
Solubility	Tallanda in 11 Ia	
Water:	Fully miscible	
Partition coefficient n-octanol/water (log value		
Vapour pressure at 20 °C:	23 hPa	
Density and/or relative density		
Density at 20 °C:	1.006 g/cm ³	
Relative density	Not determined.	
Vapour density	Not determined.	
9.2 Other information		
Appearance:		
Form:	Fluid	
	Fluiu	
Important information on protection of health		
and environment, and on safety.		
Explosive properties:	Product is not explosive.	
Solvent separation test	< 3 %	
Organic solvents:	2.9 %	
VOC EU	<50 g/l	
Water:	88.3 %	
Solid content:	6.0 %	
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical hazard		
• • •		
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
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Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit		
flammable gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if handled and stored according to specifications. Avoid: heat, flames, sparks

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

None if used properly.

None if stored properly.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

CAS: 55406-53-6 3-iodo-2-propynyl butylcarbamate

Oral	LD50	1,470 mg/kg (rat)
		>2,000 mg/kg (rat)
Inhalative	LC50/4 h	6.89 mg/l (rat)

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: May damage the unborn child.

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

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

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

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12.7 Other adverse effects
Remark: Very toxic for fish
Additional ecological information:
General notes:
Do not allow product to reach ground water, bodies of water or sewage system, even in small quantities.
Do not allow product to reach ground water, bodies of water or sewage system.
Hazardous to drinking water even if extremely small quantities leak into soil.
Also toxic for fish and plankton in bodies of water.
Very toxic for aquatic organisms

SECTION 13: Disposal considerations

Recommendation

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

European waste catalogue

03 02 02* organochlorinated wood preservatives

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-iodo-2-propynyl butylcarbamate, cypermethrin)
IMDG IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-iodo-2-propynyl butylcarbamate, cypermethrin), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
	LIQUID, N.O.S. (3-iodo-2-propynyl butylcarbamate, cypermethrin)
14.3 Transport hazard class(es)	
ADR	
Class	9 (M6) Miscellaneous hazardous substances and
Label	articles. 9
IMDG	
Class	9 Miscellaneous hazardous substances and articles.
	(Contral, on normal)

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Label	9
ΙΑΤΑ	
Class Label	9 Miscellaneous hazardous substances and articles. 9
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardous substances: 3-iodo-2-propynyl butylcarbamate, cypermethrin
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous hazardous substances and articles.
hazard identification number:	90
EMS Number:	F-A,S-F
Stowage Category	A
14.7 Maritime transport in bulk accordin IMO instruments	ng to Not applicable.
Transport/Additional information:	Not a hazardous good according to the above regulations.
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	(-)
IMDG	
Limited quantities (LQ)	5L Code: F1
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3-IODO-2-PROPYN BUTYLCARBAMATE, CYPERMETHRIN), 9, III

SECTION 15: Regulatory information

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

Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. Seveso category E1 Hazardous to the Aquatic Environment Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

Regulation (EU) No 649/2012

CAS: 60207-90-1 propiconazole(ISO)

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DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

National regulations

Other regulations, limitations and prohibition ordinances

Observe the usual protective measures when working and for storage.

please observe: N-39972

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

Relevant phrases

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- 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.

Classification according to Regulation (EC) No 1272/2008 Calculation method

Department issuing data specification sheet: Product Safety department / EHS Date of previous version: 12.03.2020

Version number of previous version: 5

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 3: Acute toxicity – Category 3 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1: Skin sensitisation – Category 1 Repr. 1B: Reproductive toxicity – Category 1B STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1