

TDUX Lubricant, RDSS Lubricant

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: TDUX Lubricant, RDSS Lubricant

1.2 Use of the substance/preparation:

Industrial use

Slip agent

Lubricating oil: synthetic product

1.3 Company/undertaking identification:

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24h/24h:

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2. Hazards identification

DSD/DPD

Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC

May cause sensitisation by skin contact

Other hazards

Slightly irritant to eyes

3. Composition/information on ingredients

Name	CAS No EINECS/ELINCS	Conc.	Classification according to DSD/ DPD	Classification according to CLP	Note
alcohol ethoxylate	68439-45-2	<5%	Xn; R22 Xi; R41	Acute Tox. 4; H302 Eye Dam. 1; H318	(1)
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	<0.06%	T; R23/24/25 C; R34 R43 N; R50-53	Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(2)

(1) For R-phrases and H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

4. First aid measures

4.1 After inhalation:

Remove the victim into fresh air

Respiratory problems: consult a doctor/medical service

4.2 Skin contact:

Rinse with water

Soap may be used

Do not apply (chemical) neutralizing agents

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<http://www.big.be>
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Date of revision: 2011-01-14

Reference number: RAY/4084E

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Take victim to a doctor if irritation persists

4.3 Eye contact:

Rinse with water

Take victim to an ophthalmologist

Do not apply neutralizing agents

Take victim to an ophthalmologist if irritation persists

4.4 After ingestion:

Rinse mouth with water

Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:

EXTINGUISHING MEDIA FOR SURROUNDING FIRES:

Adapt extinguishing media to the environment

5.2 Unsuitable extinguishing media:

5.3 Special exposure hazards:

Upon combustion CO and CO₂ are formed

5.4 Instructions:

Take account of environmentally hazardous firefighting water

Use water moderately and if possible collect or contain it

5.5 Special protective equipment for fire-fighters:

Gloves

Safety glasses

Protective clothing

Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

See heading 8.2

6.2 Environmental precautions:

Plug the leak, cut off the supply

Dam up the liquid spill

Prevent soil and water pollution

Prevent spreading in sewers

See heading 13

6.3 Methods for cleaning up:

Take up liquid spill into inert absorbent material

Scoop absorbed substance into closing containers

Carefully collect the spill/leftovers

Clean contaminated surfaces with an excess of water

Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

Observe very strict hygiene - avoid contact

Keep container tightly closed

7.2 Storage:

Safe storage requirements:

Store in a cool area

Store in a dry area

Protect against frost

Keep only in the original container

Meet the legal requirements

Keep away from:

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oxidizing agents

Suitable packaging material:

synthetic material

7.3 Specific use(s):

See information supplied by the manufacturer for the identified use(s)

8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

If limit values are applicable and available these will be listed below.

Indicative exposure limit (the Netherlands)

Kathon mengsel	Time-weighted average exposure limit	0.2 mg/m ³
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8.1.2 Sampling methods:

Product name	Test	Number	Sampling method	Remarks
No data available				

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Carry operations in the open/under local exhaust/ventilation or with respiratory protection

Personal protective equipment:

a) Respiratory protection:

High gas/vapour concentration: gas mask with filter type A

b) Hand protection:

Gloves

- natural rubber

c) Eye protection:

Safety glasses

d) Skin protection:

Protective clothing

8.2.2 Environmental exposure controls:

See headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

Physical form	Liquid
Odour	Mild odour
Colour	Colourless

9.2 Important health, safety and environmental information:

pH	7.5 - 7.9
Boiling point	104 °C
Flashpoint	Not applicable
Relative density	1.035
Dynamic viscosity	(20 °C) 0.35 - 0.45 Pa.s

9.3 Other information:

10. Stability and reactivity

10.1 Conditions to avoid:

Possible fire hazard

heat sources

Stability

Stable under normal conditions

Reactions

Substance has neutral reaction

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10.2 Materials to avoid:

oxidizing agents

10.3 Hazardous decomposition products:

Upon combustion CO and CO₂ are formed

11. Toxicological information

11.1 Acute toxicity:

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

LD50 oral (rat)	53 mg/kg
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11.2 Chronic toxicity:

Not listed in carcinogenicity class (IARC,EC,TLV,MAK)

Not listed in mutagenicity class (EC,MAK)

Not listed in teratogenicity class (EC,MAK)

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

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11.3 Acute effects/symptoms:

Inhalation:

No data available

Skin contact:

No data available

Eye contact:

Inflammation/damage of the eye tissue

Ingestion:

EXPOSURE TO HIGH CONCENTRATIONS:
Irritation of the gastric/intestinal mucosa
Abdominal pain
Nausea
Vomiting
Diarrhoea
Affection of the renal tissue

11.4 Chronic effects:

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Tingling/irritation of the skin

Dry skin

Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:

mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

LC50 fishes

species	value	duration (h)	remarks
SALMO GAIARDNERI/ ONCORHYNCHUS MYKISS	0.19 mg/l	96 h	

EC50 Daphnia

species	value	duration (h)	remarks
DAPHNIA SP.	0.16 mg/l	48 h	

EC50 other aquatic organisms

species	value	duration (h)	remarks
SELENASTRUM CAPRICORNUTUM	0.018 mg/l	72 h	

12.2 Mobility:

Solubility in/reaction with water

Literature reports: soluble in water

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12.3 Persistence and degradability:

Biodegradability in water: no data available

12.4 Bioaccumulative potential:

No bioaccumulation data available

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

Not dangerous for the ozone layer (1999/45/EC)

13. Disposal considerations

13.1 Provisions relating to waste:

Waste material code (Directive 2008/98/EC, decision 2001/118/EC)

13 02 06* : synthetic engine, gear and lubricating oils

Depending on branch of industry and production process, also other EURAL codes may be applicable

Hazardous waste according to Directive 2008/98/EC

13.2 Disposal methods:

Remove waste in accordance with local and/or national regulations

Do not discharge into drains or the environment. Dispose of at authorized waste collection point

13.3 Packaging/Container:

Waste material code packaging (Directive 2008/98/EC)

15 01 10* : packaging containing residues of or contaminated by dangerous substances

14. Transport information

ADR

Transport	Not subject
UN number	-
Class	
Packing group	
Hazard identification number	
Classification code	
Labels	
Environmentally hazardous substance mark	no

RID

Transport	Not subject
UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	no

ADN

Transport	Not subject
UN number	-
Class	
Packing group	
Classification code	
Labels	
Environmentally hazardous substance mark	no

IMO

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Transport	Not subject
UN number	-
Class	
Packing group	
Labels	
Marine pollutant	
Environmentally hazardous substance mark	no

ICAO

Transport	Not subject
UN number	-
Class	
Packing group	
Labels	
Environmentally hazardous substance mark	no

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

Classification according to directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Irritant

Contains: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

R-phrases

43	May cause sensitisation by skin contact
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S-phrases

24	Avoid contact with skin
37	Wear suitable gloves

15.2 National provisions:

16. Other information

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

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(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

Full text of any R-phrases referred to under headings 2 and 3:

R22	Harmful if swallowed
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R34	Causes burns
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of any H-statements referred to under headings 2 and 3:

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Full text of any classes referred to under headings 2 and 3:

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization