



SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 1

Compilation date: 08/07/2014

Revision No: 1

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

1.1. Product identifier

Product name: RBI TRANSPORT 50

Product code: MS(N)

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

Use of substance / mixture: A microemulsion-type cleaner/degreaser and traffic film remover which combines excellent performance, economy and safety.

1.3. Details of the supplier of the safety data sheet

Company name: RBI A/S

Sorenskriver Bullsgt.32

6002 ÅLESUND

Norway

Tel: 70 10 04 66

Fax: 70 10 05 94

Email: post@rbi-as.no

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R41; Sens.: R43; N: R51/53

Classification under CLP: Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Risk of serious damage to eyes. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS09: Environmental



[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 2

Precautionary statements: P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.
P321: Specific treatment (see on this label).

Label elements under CHIP:

Hazard symbols: Irritant.
Dangerous for the environment.



Risk phrases: R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye / face protection.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

D-LIMONENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
227-813-5	5989-27-5	-: R10; Xi: R38; Sens.: R43; N: R50/53	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	10-30%

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 3

C10 ALCOHOL ETHOXYLATE WITH 7MEO

-	166736-08-9	Xn: R22; Xi: R41	Acute Tox. 4: H302; Eye Dam. 1: H318	5-10%
---	-------------	------------------	--------------------------------------	-------

C10 ALCOHOL ETHOXYLATE WITH 9MEO

-	166736-08-9	Xn: R22; Xi: R41	Acute Tox. 4: H302; Eye Dam. 1: H318	5-10%
---	-------------	------------------	--------------------------------------	-------

2 METHOXYMETHYLETHOXYPROPANOL

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-5%
-----------	------------	--	---	------

2-(2-BUTOXYETHOXY)ETHANOL

203-961-6	112-34-5	Xi: R36	Eye Irrit. 2: H319	1-5%
-----------	----------	---------	--------------------	------

AMIDES, COCO, N,N-BIS(HYDROXYETHYL)

271-567-0	68603-42-9	Xi: R38; Xi: R41	-	1-5%
-----------	------------	------------------	---	------

QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYL BIS-(HYDROXYETHYL) METHYL, ETHOXYLATED, ME SULPHATES

-	68989-03-7	Xi: R36; N: R51/53	-	<1%
---	------------	--------------------	---	-----

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 4

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 5

Hazardous ingredients:

2 METHOXYMETHYLETHOXYPROPANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	50 ppm / 308 mg/m ³	-	-	-

2-(2-BUTOXYETHOXY)ETHANOL

UK	67.5 mg/m ³	101.2 mg/m ³	-	-
----	------------------------	-------------------------	---	---

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Mild Citrus

Solubility in water: Emulsifiable

Relative density: 1.00

pH: 11 @ 10% Soln.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 6

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

D-LIMONENE

ORL	MUS	LD50	5600	mg/kg
ORL	RAT	LD50	4400	mg/kg
SCU	MUS	LD50	3170	mg/kg

C10 ALCOHOL ETHOXYLATE WITH 7MEO

ORAL	RAT	LD50	200-2000	mg/kg
------	-----	------	----------	-------

C10 ALCOHOL ETHOXYLATE WITH 9MEO

ORAL	RAT	LD50	300-2000	mg/kg
------	-----	------	----------	-------

2-(2-BUTOXYETHOXY)ETHANOL

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 7

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

D-LIMONENE

DAPHNIA	48H LC50	.924	mg/l
FISH	96H LC50	0.72	mg/l

C10 ALCOHOL ETHOXYLATE WITH 7MEO

FISH	96H LC50	10-100	mg/l
------	----------	--------	------

C10 ALCOHOL ETHOXYLATE WITH 9MEO

Daphnia magna	48H EC50	10-100	mg/l
FISH	96H LC50	10-100	mg/l
Scenedesmus Subspicatus	72H ErC50	10-100	mg/l

2 METHOXYMETHYLETHOXYPROPANOL

ALGAE	72H IC50	>969	mg/l
DAPHNIA	48H EC50	1919	mg/l
FISH	96H LC50	>10000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 8

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (known as 'CHIP 4') which closely follows the European Commissions labeling guide (Annex VI to Directive 67/548/EEC). Dangerous Preparations Directive (1999/45/EC). European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (known as 'CLP'). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 aligned with ADR. Workplace Exposure Limits EH40.2005 (2nd edition published 2011). REACH: Regulation 1907/2006/EC effective June 1st, 2007. The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: 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.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

R10: Flammable.

[cont...]

SAFETY DATA SHEET

RBI TRANSPORT 50

Page: 9

R22: Harmful if swallowed.

R36: Irritating to eyes.

R38: Irritating to skin.

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.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.