

# SAFETY DATA SHEET

**72142 ROWONAL COIL COMBO SPRAY,  
200ML**

Infosafe No.: HYDUR  
ISSUED Date: 14/09/2013  
Issued by: ROTHENBERGER WERKZEUGE  
GMBH

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

72142 ROWONAL COIL COMBO SPRAY, 200ML

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

No further relevant information available.

### 1.3. Details of the supplier of the safety data sheet: Company Name

ROTHENBERGER WERKZEUGE GMBH

### Address

Industriestraße 7, D- 65779 Kelkheim  
Germany

### Telephone/Fax Number

Tel: +49 (0) 6195-800-1

Fax: +49 (0) 6195-744 22

### Additional Information

ROWONAL coil combo spray

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation 1272/2008

GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

#### Classification according to Directive 67/548/EC or 1999/45/EC

F+; Extremely flammable

R12: Extremely flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

### Pictogram (s)

Flame



### Signal Words

DANGER

**Hazard Statement (s)**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

**Precautionary statement – Prevention**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P211 Do not spray on an open flame or other ignition source.

**Precautionary statement – Storage**

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**R-Phrases**

R12 Extremely Flammable.

**S-Phrase**

S2 Keep out of reach of children.  
S9 Keep container in a well ventilated place.  
S16 Keep away from sources of ignition - No smoking.

**Synonyms**

65010 - PART NUMBER • ROTHENBERGER ROWONAL

**2.3. Other Hazards**

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components :

EINECS: 200-827-9

propane

F+ R12

Flam. Gas 1, H220; Press. Gas, H280

EINECS: 203-448-7

butane

F+ R12

Flam. Gas 1, H220; Press. Gas, H280

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

**Ingredients**

Name	CAS	Proportion	R Phrase	Hazard Statement (s)
Propane	74-98-6	25-50 %		H220, H280
Butane	106-97-8	25-50 %		H220, H280

## SECTION 4: FIRST AID MEASURES

---

### 4.1. Description of first aid measures: Inhalation

Supply fresh air; consult doctor in case of complaints.

### Skin

In cases of frost bites, rinse with plenty of water. Do not remove clothing.

### Eye

Rinse opened eye for several minutes under running water. Then consult a doctor.

### Ingestion

Call for a doctor immediately.

### 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

No further relevant information available.

## SECTION 5: FIREFIGHTING MEASURES

---

### 5.1. Extinguishing Media

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

### Unsuitable Extinguishing Media

Water with full jet

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Do not inhale explosion gases or combustion gases.

### Decomposition Temperature

Not determined.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective equipment. Keep unprotected persons away.

### 6.2. Environmental Precautions

Do not allow product to reach sewage system or any water course.

### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

### 6.4. Reference to other sections

See Section 7 - Handling and storage for information on safe handling.

See Section 8 - Exposure controls/personal protection for information on personal protection equipment.

See Section 13 - Disposal considerations for disposal information.

### Spills & Disposal

Spillage

If can is punctured, clear area of all unprotected personnel and ventilate area. Wear splash-proof goggles, viton/nitrile/neoprene gloves, a Type A-Class P1 (Organic vapour, Particulate) respirator (where an inhalation risk exists) and coveralls. Collect and allow to discharge outdoors. Absorb residues with sand or similar and place in clean containers for disposal.

## SECTION 7: HANDLING AND STORAGE

---

### 7.1. Precautions for safe handling

Use only in well ventilated areas.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Open and handle receptacle with care.  
Information about fire - and explosion protection:  
Do not spray onto a naked flame or any incandescent material.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
Handle only outside or in explosion protected rooms.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Emergency cooling must be available in case of nearby fire.

### **7.2. Conditions for safe storage, including any incompatibilities**

Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Store in a cool location.  
Information about storage in one common storage facility: Store away from flammable substances.  
Further information about storage conditions:  
Store receptacle in a well ventilated area.  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

### **7.3. Specific end use(s)**

No further relevant information available.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

### **8.1. Control parameters**

Additional information about design of technical facilities: No further data; see item 7.  
Control parameters:

Ingredients with limit values that require monitoring at the workplace:  
106-97-8 butane  
WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)  
Additional information: The lists valid during the making were used as basis.

General protective and hygienic measures:  
Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.

#### **Respiratory Protection**

Use suitable respiratory protective device in case of insufficient ventilation.

#### **Hand Protection**

Protective gloves  
Material of gloves:

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

#### **Eye/Face Protection**

Tightly sealed goggles

#### **Personal Protective Equipment**

Wear splash-proof goggles and neoprene or nitrile gloves. At high vapour levels, wear: a Type A-Class P1 (Organic gases/vapours and Particulate).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

### 9.1. Information on basic physical and chemical properties: Appearance

Compressed liquefied gas

**Colour**

Colourless

**Odour**

Recognizable

**Odour Threshold**

Not determined.

**pH Value**

Not determined.

**Vapour Pressure**

at 20 °C: 8300 hPa

**Boiling Point and boiling range**

-44 °C

**Melting Point**

Undetermined.

**Solubility in Water**

Not miscible or difficult to mix.

**Specific Gravity (H<sub>2</sub>O=1)**

Not determined.

**Density**

Not determined.

**Flash Point**

-97 °C

**Explosion Limit - Upper**

10.9 Vol %

**Explosion Limit - Lower**

1.5 Vol %

**Flammability**

(solid, gaseous): Not determined.

**Auto-Ignition Temperature**

365 °C

**Decomposition Temperature**

Not determined.

**Kinematic Viscosity**

Not determined.

**Dynamic Viscosity**

Not determined.

**Evaporation Rate**

Not applicable.

**Vapour Density (Air=1)**

Not determined.

**Volatile Component**

NOT AVAILABLE

**Partition Coefficient: n-octanol/water**

Not determined.

### 9.2. Other Information

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Other information: No further relevant information available.

## SECTION 10: STABILITY AND REACTIVITY

---

### 10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

Forms explosive gas mixture with air.

Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.

Used empty containers may contain product gases which form explosive mixtures with air.

Reacts with oxygen.

Reacts with fats and oils.

### 10.4. Conditions to Avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

---

### Skin Sensitisation

No sensitizing effects known.

### Skin

Irritant to skin and mucous membranes.

### Serious Eye Damage/Irritation

Irritating effect.

### Health Hazard

Low to moderate toxicity - irritant. This product may only have the potential to cause adverse health effects if intentionally misused (eg. deliberately inhaling contents). Over exposure may result in adverse effects to the central nervous system. Use safe work practices to avoid eye or skin contact and vapour inhalation.

## 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.

### Other Information

Additional ecological information:

General notes: Generally not hazardous for water

Other adverse effects: No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

---

### 13.1. Waste treatment methods

Waste treatment methods:

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

### Waste Disposal

For small amounts absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer for additional information.

## SECTION 14: TRANSPORT INFORMATION

---

### ADG U.N. Number

1950

### ADG UN Class

2

### ADG Hazchem Code

2YE

### ADG Proper Shipping Name

AEROSOLS

### ADG IERG Number

49

### Other Information

UN-Number:

ADR, IMDG, IATA UN1950

UN proper shipping name:

ADR 1950 AEROSOLS

IMDG AEROSOLS

IATA AEROSOLS, flammable

Transport hazard class(es):

ADR

Class: 2 5F Gases.

Label: 2.1

IMDG, IATA

Class: 2.1

Label: 2.1

Packing group:

ADR, IMDG, IATA Void

Environmental hazards:

Marine pollutant: No

Special precautions for user: Warning: Gases.

Danger code (Kemler): -

EMS Number: F-D,S-U

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ): 1L

Transport category: 2

Tunnel restriction code: D

UN "Model Regulation": UN1950, AEROSOLS, 2.1

## SECTION 15: REGULATORY INFORMATION

---

### Regulatory information

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

### Hazard Category

Extremely Flammable

## SECTION 16: OTHER INFORMATION

---

### Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

R12 Extremely flammable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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 Harmonized 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)

This SDS has been transcribed into Infosafe EC format from an original, issued by the manufacturer on the date shown.

Any disclaimer by the manufacturer may not be included in the transcription.

### Full text of relevant hazard statement

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

### Empirical Formula & Structural Formula

Ingredient	Formula
N-BUTANE	C4-H10
PROPANE	C3-H8
ADDITIVE(S)	Not Available

### Poisons Schedule

Not Scheduled

### Signature of Preparer/Data Service

Risk Management Technologies

5 Ventnor Ave, West Perth

Western Australia 6005

Phone: +61 8 9322 1711

Fax: +61 8 9322 1794

Email: [info@rmt.com.au](mailto:info@rmt.com.au)

Web: [www.rmt.com.au](http://www.rmt.com.au)

## END OF SDS

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.