

# Safety Data Sheet

# RACO FORCE PASTE



Safety Data Sheet dated 29/08/2013, version 1

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

### 1.1. Product identifier

Trade name: RACO FORCE PASTE

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

Recommended use:

Rodenticide - Biocidal use  
Ready-to-use  
Amateur and professional use

Uses advised against:

Do not use for purposes other than those stated in "Recommended uses"

### 1.3. Details of the supplier of the safety data sheet

Company name and address:

Lodi Group  
Parc d'Activités des Quatre Routes  
35390 Grand Fougeray  
France  
Tel 0033 (0) 2.99.08.48.59

Competent person responsible for the safety data sheet: regulatory@lodi.fr

### 1.4. Emergency telephone number

For information or to report a poisoning incident contact the National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166), retain the label for reference.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols: None

Adverse physicochemical, human health and environmental effects: None

### 2.2. Label elements

The preparation should not be considered as dangerous accordingly to dir. 1999/45/EC.

Special provisions according to Annex XVII of REACH and subsequent amendments: None

### 2.3. Other hazards

vPvB Substances: None

PBT Substances: None

Other Hazards: No other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

0,004% Brodifacoum

N<sup>o</sup>CAS : 56073-10-0

N<sup>o</sup>CE : 259-980-5

Selon 67/548 : T+ R27/28; T R48/24/25; N R50/53

Selon 1272/2008 : Acute Tox.1 (H300-H310); STOT RE 1 (H372); Aquatic Acute 1 (H400);

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Thoroughly wash with soap and water

Remove soiled clothing and wash exposed skin with soap and water

In case of eyes contact:

Remove contact lenses if present

Rinse the eye slowly and gently with water for 15-20 minutes

Seek medical advice immediately

In case of Ingestion:

Immediately consult a physician and show the label.

In case of Inhalation:

Inhalation not very probable

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

Effects result from the inhibition of blood coagulation as Brodifacoum interacts with vitamin K1.

Poisoning symptoms may include: bruising easily, nose or gum bleeds, blood in stools or urine, excessive bleeding from minor cuts or abrasions.

Note that poisoning symptoms may develop over the course of several days.

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

Consult a physician and show the label

In general, when in doubt, contact a physician or the poison centre

In case of accidental poisoning by a domestic animal, go to the vet and show the label.

Antidote = Vitamin K1, under medical supervision

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Water. Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons: None in particular.

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

Do not inhale explosion and combustion gases/fumes. Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

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

Wear personal protection equipment.  
See protective measures under point 7 and 8.

#### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.

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

Rapidly recover the product. To do so, wear gloves and protective clothing.  
Wash with plenty of water.

#### **6.4. Reference to other sections**

See also section 8 and 13

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### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

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

Store in original container, tightly closed  
Keep container tightly closed in a cool, dry and well ventilated place.  
Keep away from food, drink and feed.  
Incompatible materials: None in particular.  
Instructions as regards storage premises: Adequately ventilated premises.

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

None in particular

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### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

No occupational exposure limit available  
DNEL Exposure Limit Values: Not applicable  
PNEC Exposure Limit Values : Not applicable

#### **8.2. Exposure controls**

Eye protection:  
None  
Protection for skin:  
Wash clothing regularly  
Protection for hands:  
Avoid contact with skin  
Wear gloves  
Respiratory protection:  
None  
Thermal Hazards:  
None  
Environmental exposure controls:  
Avoid release in the environment

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### SECTION 9: Physical and chemical properties

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

Appearance and colour:	Blue paste
Odour:	Light
Odour threshold:	Not applicable
pH:	(CIPAC MT75.3)=6.3
Relative density:	1.142
Melting point / freezing point:	Not applicable
Boiling point:	Not applicable
Solid/gas flammability:	Not flammable
Flammability/explosive limits:	Not flammable
Vapour density:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Solubility in water:	Not available
Solubility in oil:	Not available
Partition coef (n-octanol/water):	Not applicable
Auto-ignition temperature:	Not inflammable
Decomposition temperature:	Not available
Viscosity:	Non applicable
Explosive properties:	Aucune
Oxidizing properties:	Not available

#### 9.2. Other information

Miscibility:	Not applicable
Fat Solubility:	Not applicable
Conductivity:	Not applicable
Substance Groups relevant properties	Not available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions

#### 10.2. Chemical stability

Stable under normal conditions

#### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Avoid extreme temperatures  
See storage conditions

#### 10.5. Incompatible materials

None in particular.

#### 10.6. Hazardous decomposition products

None.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the mixture: **RACO FORCE PASTE**

- a) toxicité aiguë:  
Test: DL50 - Voie: orale - Espèces: Rat : 0.27 mg/Kg (data based on the substance BRODIFACOUM)
- b) corrosion cutanée/irritation cutanée:  
Test: Irritation - Voie: cutanée - Espèces: Lapin : Non Irritant
- c) lésions oculaires graves/irritation oculaire:  
Test: Irritation - Voie: oculaire - Espèces: Lapin : Non irritant

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as not available or not applicable:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

- a) Aquatic acute toxicity:  
CL50 Truite arc-en-ciel 0.051 mg/L – Durée : 96h (data based on the substance Brodifacoum )
- b) Bacteria toxicity:  
No data available
- c) Terrestrial toxicity:  
No data available

#### 12.2. Persistence and degradability

Biodegradability (%) : No data available

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None  
PBT Substances: None

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### 12.6. Other adverse effects

None

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible.

In so doing, comply with the local and national regulations currently in force.

This material and its container must be disposed of safely.

Dispose of packaging, remains of unused product and dead rodents in accordance with local regulations.

If required, consult a professional waste operator or local authority.

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## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

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## SECTION 15: Regulatory information

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

#### Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Restrictions related to the product or the substances contained according to Annex XVII  
Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None

Where applicable, refer to the following regulatory provisions :

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Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents)

1999/13/EC (VOC directive)

Regulation 689/2008: not applicable

### 15.2. Chemical safety assessment

Not available

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## SECTION 16: Other information

Text of phrases referred to under heading 3:

R27/28 Very toxic in contact with skin and if swallowed

R48/24/25 Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H400 Very toxic to aquatic life.

H372 Causes damage to organs through prolonged or repeated exposure

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50:	
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.

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## **RACO FORCE PASTE**



ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
UN:	United Nations
WGK:	German Water Hazard Class.