



Safety Data Sheet dated 26/7/2016, version 1

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

### 1.1. Product identifier

Trade name: RACAN RAPID GRAIN

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

Recommended use:

Rodenticide - Biocidal 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:

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:

fds@lodi.fr


### 1.4. Emergency telephone number


European phone number :112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Aquatic Acute 1, Very toxic to aquatic life.

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

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

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.

P273 Avoid release to the environment.

P391 Collect spillage.

## Safety Data Sheet

### RACAN RAPID GRAIN

P501 Dispose of contents/container in accordance with applicable regulations.  
 Special Provisions:  
 None  
 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






### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not available

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
4% <i>m/m</i>	Chloralose technical grade	Index number: 605-013-00-0 CAS: 15879-93-3 EC: 240-016-7	 3.1/3/Oral Acute Tox. 3 H301  3.1/4/Inhal Acute Tox. 4 H332  3.8/3 STOT SE 3 H336  4.1/A1 Aquatic Acute 1 H400 M=10.  4.1/C1 Aquatic Chronic 1 H410 M=10.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.  
 Remove contaminated clothing, wash skin with soap and rinse thoroughly with water.  
 Do not use solvents or thinners.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Wash thoroughly under a trickle of water (warm if possible) for several minutes, holding the eyelids open under the stream of water.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.  
 Immediately consult a physician and show the label.  
 Do not induce vomiting.  
 Whatever the amount of product ingested, do not eat and do not drink.  
 Install the victim in lateral safety position and protect it from injury in case of sudden movement or convulsion.  
 Monitor the victim's breath.  
 In cases of acute distress, contact the 15 (or 112).

## Safety Data Sheet RACAN RAPID GRAIN

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.
- Assure fresh air breathing
- Allow the victim to rest.

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

- Cardiac arrhythmias
- Convulsions
- In case of severe poisoning, central nervous system depression, hypotension, bradycardia and hypothermia may occur.
- Unconsciousness
- Diminished responsiveness
- Drowsiness
- Inebriation

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

- Treatment:
- Contains a rodenticide which is a depressant of the nervous system and a convulsant .
- Bronchial obstruction early. Treatment is symptomatic, there is no antidote.

---

### 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.
- 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.

---

### SECTION 6: Accidental release measures

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

- Wear personal protection equipment.
- Remove persons to safety.
- 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.
- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Suitable material for taking up: absorbing material, organic, sand

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

## Safety Data Sheet

### RACAN RAPID GRAIN

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

#### 6.4. Reference to other sections

See also section 8 and 13

---

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
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 the original container  
Keep out of reach of children  
Keep away from food and drink and animal feeding stuffs  
Keep away from sources of ignition, heat and direct sunlight  
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

---

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

#### 8.2. Exposure controls

##### Eye protection:

None

##### Protection for skin:

No special clothing / skin protection equipment is recommended under normal conditions of use.

Avoid contact with skin

##### Protection for hands:

Amateurs and non-professionals: the gloves are recommended. Professionals : The gloves are mandatory.

Wash hands after handling.

##### Respiratory protection:

Not applicable

##### Thermal Hazards:

None

## Safety Data Sheet RACAN RAPID GRAIN

Environmental exposure controls:

- Prevent access to children, pets and non-target animals.
- Avoid release in watercourses and sewers
- Place baits in areas not submersible and weatherproof.

Appropriate engineering controls:

None

### SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	Black grains	--	--
Odour:	cereal	--	--
Odour threshold:	Not available	--	--
pH:	7.36 at 1%w/v	--	--
Melting point / freezing point:	Not available	--	--
Initial boiling point and boiling range:	Not available	--	--
Flash point:	Not available	--	--
Evaporation rate:	Not available	--	--
Solid/gas flammability:	Not flammable	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Not available	--	--
Vapour density:	Not available	--	--
Relative density:	1.34	--	--
Solubility in water:	No available data	--	--
Solubility in oil:	No available data	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not flammable	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	Not available	--	--
Explosive properties:	No explosive properties	--	--
Oxidizing properties:	No oxidizing properties	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups	Not available	--	--

## Safety Data Sheet RACAN RAPID GRAIN

relevant properties		
---------------------	--	--

### 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**

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

Toxicological information of the mixture:

RACAN RAPID GRAIN

a) acute toxicity:

Test: LD50 - Route: oral - Species: Rat : > 5000 mg/Kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: dermal - Species: Rabbit : 0 - Notes: Irritation légère à modérée - Toujours réversible

c) serious eye damage/irritation:

Test: Eye Irritant - Route: ocular - Species: Rabbit : 0 - Notes: Irritation légère à modérée - Toujours réversible

Toxicological information of the main substances found in the mixture:

Chloralose technical grade - CAS: 15879-93-3

a) acute toxicity:

Test: LD50 - Route: oral - Species: Rat : = 212 mg/Kg - Notes: Femelle

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- 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.

Chloralose technical grade - CAS: 15879-93-3

a) Aquatic acute toxicity:

Endpoint: LC50 Onchorhynchus mykiss = 2.4 mg/L - Duration h: 96

Endpoint: EC50 Daphnia magna = 0.027 mg/L - Duration h: 48

Endpoint: ErC50 Algae = 0.52 mg/L - Duration h: 72

**12.2. Persistence and degradability**

Not available

**12.3. Bioaccumulative potential**

Not available

**12.4. Mobility in soil**

Not available

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

vPvB Substances: None - PBT Substances: None

**12.6. Other adverse effects**

None

---

**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.

---

**SECTION 14: Transport information**

**14.1. UN number**

ADR-UN number: UN3077

**14.2. UN proper shipping name**

ADR-Shipping Name: Environmentally Hazardous Substance, Solid NOS (Chloralose), 9, III, (E)

**14.3. Transport hazard class(es)**

ADR-Class: 9

**14.4. Packing group**

ADR-Packing Group: III

**14.5. Environmental hazards**

Marine pollutant: No

**14.6. Special precautions for user**

## Safety Data Sheet

### RACAN RAPID GRAIN

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
Not available

#### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) 2015/830  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 1221/2015 (ATP 7 CLP)  
 Regulation (EU) n. 918/2016 (ATP 8 CLP)  
 Regulation (EU) n. 1179/2016 (ATP 9 CLP)

Restrictions related to the product or the substances contained according to Annex XVII  
 Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)  
 Regulation (EC) nr 648/2004 (detergents).  
 Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1  
 None

##### 15.2. Chemical safety assessment

No

#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H301 Toxic if swallowed.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure,



## Safety Data Sheet

### RACAN RAPID GRAIN

		Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

This safety data sheet has been completely updated in compliance to Regulation 2015/830. 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

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.
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.