

JADE GRAIN



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : JADE GRAIN

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

Recommended use(s): Rodenticide - Biocidal use.

Use(s) advised against: Do not use for purposes other than those stated in "Recommended use(s)"

Use descriptor system (REACH) :

Not available.

1.3. Details of the supplier of the safety data sheet

Registered company name : (GB) LODI UK .

Address : Unit 104, Potter Space, 7 Kidderminster Road, Cutnall Green, Droitwich.WR9 0NS.Droitwich.UNITED KINGDOM.

Telephone : 01 384 40 42 42. Fax : .

fds@lodi.fr

1.4. Emergency telephone number :

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24- hour service)

General public:

England - Dial 111 to reach NHS 111 (24- hour service)

Scotland - Dial 112 to reach NHS 24 (24- hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24- hour service).

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Reproductive toxicity, Category 1B (Repr. 1B, H360D).

Specific target organ toxicity (repeated exposure), Category 1 (STOT RE 1, H372).

2.2. Label elements

Biocidal mixture (see section 15).

> In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS08

Signal Word :

DANGER

Product identifiers :

EC 249-205-9 BROMADIOLONE (ISO)

Additional labeling :

For professional users only.

Hazard statements :

H360D

May damage the unborn child.

H372

Causes damage to organs through prolonged or repeated exposure.

Precautionary statements - Prevention :

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P260

Do not breathe dust.

P264

Wash hands thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P280

Wear protective gloves.

Precautionary statements - Response :

P308 + P313

IF exposed or concerned: Get medical advice/attention.

P314

Get medical advice/attention if you feel unwell.

Precautionary statements - Storage :

P405

Store locked up.

JADE GRAIN

Precautionary statements - Disposal :

P501

Dispose of contents in accordance with local/regional/national/international regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 59 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
INDEX: 57_55_6A CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPYLENE GLYCOL		[i]	0 $\leq$ x % < 2.5
INDEX: 57_55_PA CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPYLENE GLYCOL		[i]	0 $\leq$ x % < 2.5
INDEX: 102_716A CAS: 102-71-6 EC: 203-049-8 TRIETHANOLAMINE		[i]	0 $\leq$ x % < 2.5
INDEX: 607_716_00_8 CAS: 28772-56-7 EC: 249-205-9 BROMADIOLONE (ISO)	GHS06, GHS09, GHS08 Dgr Acute Tox. 1, H300 Acute Tox. 1, H310 Acute Tox. 1, H330 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[ii]	0 $\leq$ x % < 2.5
INDEX: 603_071_00_A CAS: 111-42-2 EC: 203-868-0 REACH: 01-2119488930-28 2,2'-IMINODIETHANOL	GHS08, GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd STOT RE 2, H373	[i] [ii]	0 $\leq$ x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 57_55_6A CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPYLENE GLYCOL		inhalation: ATE = 317 mg/l 4h (dust/mist)
INDEX: 57_55_PA CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23 PROPYLENE GLYCOL		inhalation: ATE = 634 mg/l 4h (dust/mist)
INDEX: 102_716A CAS: 102-71-6 EC: 203-049-8 TRIETHANOLAMINE		oral: ATE = 6400 mg/kg BW
INDEX: 607_716_00_8 CAS: 28772-56-7 EC: 249-205-9 BROMADIOLONE (ISO)	Repr. 1B: H360D C $\geq$ 0.003% STOT RE 1: H372 C $\geq$ 0.005% STOT RE 2: H373 0.0005% $\leq$ C < 0.005%	dermal: ATE = 50 mg/kg BW

JADE GRAIN

INDEX: 603_071_00_A CAS: 111-42-2 EC: 203-868-0 REACH: 01-2119488930-28 2,2'-IMINODIETHANOL		inhalation: ATE = 3.35 mg/l (dust/mist) oral: ATE = 1600 mg/kg BW
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Nanoform

Not available.

Information on ingredients :

(Full text of H-phrases: see section 16)

[i] Substance for which maximum workplace exposure limits are available.

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of exposure by inhalation :

Remove casualty to fresh air and keep warm and at rest. Seek medical attention if difficulties appear and persist.

In the event of splashes or contact with eyes :

In case of eye exposure, flush eyes with eye wash solution or water, holding eyelids open for at least 10 min.

In the event of splashes or contact with skin :

In case of skin exposure, clean skin with water then with soap. Seek medical attention if irritation or discomfort develops

In the event of swallowing :

In case of oral exposure, rinse mouth carefully with water.

In case of ingestion, rinse mouth with water. In case of ingestion, obtain a medical examination immediately and show the label. Contact a veterinary in case of ingestion by a pet.

Never give anything by mouth to unconscious person.

Do not provoke vomiting.

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

This product contains an anticoagulant substance. If ingested, symptoms, which may be delayed, may include nosebleed and bleeding gums. In severe cases, there may be bruising and blood present in the faeces or urine.

Internal bleeding if swallowed.

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

Specific and immediate treatment :

Antidote: Vitamin K1 administered by medical/veterinary personnel only.

Information for the doctor :

Antidote: Vitamin K1 administered by medical/veterinary personnel only.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

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

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

Rapidly collect the product. To do so, wear a mask and protective clothing

Wash with plenty of water.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Avoid exposure to pregnant women and warn women of child-bearing age of the possible risks

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

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.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in dust.

Avoid exposure - obtain special instructions before use.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

Keep out of reach of children.

Keep away from food and drink and animal feeding stuffs.

Store in the original container, hermetically sealed.

Keep away from sources of ignition - No Smoking.

Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

Original packaging.

Suitable packaging materials :

Original packaging.

Unsuitable packaging materials :

Different than the original packaging.

JADE GRAIN

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
57-55-6 PROPYLENE GLYCOL	10 mg/m3				
57-55-6 PROPYLENE GLYCOL	10 mg/m3				

- Belgium :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
102-71-6 TRIETHANOLAMINE	5 mg/m3				
111-42-2 2,2'-IMINODIETHANOL	0.2 ppm 1 mg/m3				

- France :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
111-42-2 2,2'-IMINODIETHANOL	3	15				49,49 BIS

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

PROPYLENE GLYCOL (CAS: 57-55-6)

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term systemic effects.
168 mg of substance/m3

Inhalation.
Long term local effects.
10 mg of substance/m3

Consumers.

Inhalation.
Long term systemic effects.
50 mg of substance/m3

Inhalation.
Long term local effects.
10 mg of substance/m3

Predicted no effect concentration (PNEC):

PROPYLENE GLYCOL (CAS: 57-55-6)

Environmental compartment:
PNEC :
Soil.
50 mg/kg

Environmental compartment:
PNEC :
Fresh water.
260 mg/l

Environmental compartment:
PNEC :
Sea water.
26 mg/l

Environmental compartment:
PNEC :
Intermittent waste water.
183 mg/l

Environmental compartment:
PNEC :
Fresh water sediment.
572 mg/kg

Environmental compartment:
PNEC :
Marine sediment.
57.2 mg/kg

Environmental compartment:
PNEC :
Waste water treatment plant.
20000 mg/l

JADE GRAIN

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)
- Butyl Rubber (Isobutylene-isoprene copolymer)

- Respiratory protection

Avoid inhaling dust.

Exposure controls linked to environmental protection

Hazardous to wildlife. Prevent access to children, pets and non-target animals. Avoid release in the environment. Place baits in areas not submersible and weatherproof.

Do not discharge into drains or watercourses.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Solid in granules.
Physical state : Grain.

Colour

Colour: Green.

Odour

Odour threshold : Not stated.
Odour : Cereals

Melting point

Melting point/melting range : Not relevant.

> Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Non inflammable.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.
Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.
pH : 6.90 .

JADE GRAIN

Neutral.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.
Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : 1.377

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid :

- formation of dusts

Dusts can form an explosive mixture with air.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1. Substances

a) Acute toxicity :

2,2'-IMINODIETHANOL (CAS: 111-42-2)

Oral route : LD₅₀ = 1600 mg/kg body weight
Species : Rat

Dermal route : LD₅₀ > 8200 mg/kg body weight
Species : Rabbit

Inhalation route (Dusts/mist) : LC₅₀ = 3.35 mg/l

BROMADIOLONE (ISO) (CAS: 28772-56-7)

Oral route : LD₅₀ ≤ 5 mg/kg body weight

Dermal route : LD₅₀ = 50 mg/kg body weight

Inhalation route (Dusts/mist) : LC₅₀ ≤ 0.05 ppm

JADE GRAIN

Duration of exposure : 4 h

TRIETHANOLAMINE (CAS: 102-71-6)

Oral route :

LD50 = 6400 mg/kg body weight
Species : Rat

Dermal route :

LD50 > 2000 mg/kg body weight
Species : Rabbit

PROPYLENE GLYCOL (CAS: 57-55-6)

Oral route :

LD50 > 2000 mg/kg body weight
Species : Rat

Dermal route :

LD50 > 2000 mg/kg body weight
Species : Rabbit

Inhalation route (Dusts/mist) :

LC50 = 634 mg/l
Species : Rat
Duration of exposure : 4 h

PROPYLENE GLYCOL (CAS: 57-55-6)

Oral route :

LD50 > 5000 mg/kg body weight
Species : Rat

Dermal route :

LD50 > 2000 mg/kg body weight
Species : Rabbit

Inhalation route (Dusts/mist) :

LC50 = 317 mg/l
Species : Rabbit
Duration of exposure : 4 h

b) Skin corrosion/skin irritation :

2,2'-IMINODIETHANOL (CAS: 111-42-2)

Corrosivity :

No observed effect.

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2. Mixture

11.1.2.1 Information on hazard classes

a) Acute toxicity :

Oral route :

No data available.
Species : Rat
LD50 > 2000 mg/kg
OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)

Dermal route :

No data available.
Species : Rat
LD50 > 2000 mg/kg
OECD Guideline 402 (Acute Dermal Toxicity)

JADE GRAIN

Inhalation route (Dusts/mist) : No data available.

b) Skin corrosion/skin irritation :

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Irritation : No observed effect.
Average score < 1.5
Species : Rabbit
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

c) Serious damage to eyes/eye irritation :

Splashes in the eyes may cause irritation and reversible damage

d) Respiratory or skin sensitisation :

Local lymph node stimulation test : Non-sensitiser.
Species : Guinea pig
OECD Guideline 406 (Skin Sensitisation)

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

Presumed human reproductive toxicant.
May damage the unborn child.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

Causes severe damage to organs in the event of repeated or prolonged exposure.

j) Aspiration hazard :

No data available.

11.1.2.2 Other information

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.
Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 111-42-2 : IARC Group 2B : The agent is possibly carcinogenic to humans.
CAS 102-71-6 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

2,2'-IMINODIETHANOL (CAS: 111-42-2)

Fish toxicity : LC50 = 460 mg/l
Species : Oncorhynchus mykiss

Crustacean toxicity : EC50 = 30.1 mg/l
Species : Ceriodaphnia dubia
Duration of exposure : 48 h

Algae toxicity : ECr50 = 9.5 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 96 h

BROMADIOLONE (ISO) (CAS: 28772-56-7)

Fish toxicity : LC50 = 2.89 mg/l
Species : Oncorhynchus mykiss

JADE GRAIN

	Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 5.79 mg/l Species : Daphnia magna Duration of exposure : 48 h
TRIETHANOLAMINE (CAS: 102-71-6)	
Fish toxicity :	LC50 > 11800 mg/l Species : Pimephales promelas
Crustacean toxicity :	EC50 = 609.9 mg/l Species : Ceriodaphnia dubia
	NOEC = 16 mg/l Species : Daphnia magna Duration of exposure : 21 days
Algae toxicity :	ECr50 = 512 mg/l Species : Scenedesmus sp. Duration of exposure : 72 h
PROPYLENE GLYCOL (CAS: 57-55-6)	
Fish toxicity :	LC50 = 40613 mg/l
Crustacean toxicity :	EC50 = 340 mg/l Species : Daphnia magna
Algae toxicity :	ECr50 = 19000 mg/l
PROPYLENE GLYCOL (CAS: 57-55-6)	
Fish toxicity :	LC50 > 100 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 100 mg/l Duration of exposure : 48 h
Algae toxicity :	ECr50 > 100 mg/l Duration of exposure : 72 h

12.1.2. Mixtures

12.2. Persistence and degradability

12.2.1. Substances

2,2'-IMINODIETHANOL (CAS: 111-42-2)	
Biodegradability :	Rapidly degradable.
BROMADIOLONE (ISO) (CAS: 28772-56-7)	
Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.
TRIETHANOLAMINE (CAS: 102-71-6)	
Biodegradability :	Rapidly degradable.
PROPYLENE GLYCOL (CAS: 57-55-6)	
Biodegradability :	Rapidly degradable.
PROPYLENE GLYCOL (CAS: 57-55-6)	
Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.

12.2.2. Mixtures

Biodegradation : No data on decomposition is available, the mixture is not considered to decompose rapidly.

12.3. Bioaccumulative potential

No data available.

JADE GRAIN

12.3.1. Substances

2,2'-IMINODIETHANOL (CAS: 111-42-2)
Octanol/water partition coefficient :

Log Kow = -2.46

PROPYLENE GLYCOL (CAS: 57-55-6)
Octanol/water partition coefficient :

Log Kow < 3.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

-

SECTION 15 : REGULATORY INFORMATION

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/1182. (ATP15)

Container information:

No data available.

Particular provisions :

No data available.

JADE GRAIN

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture contains at least one restricted substance under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>. Please refer to Section 3 to identify the substance involved.
For professional users only.

Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):

The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006:
<https://echa.europa.eu/fr/authorisation-list>.

Ozone-depleting substances (Regulation (EC) No 2024/590).

The mixture does not contain any substance posing a risk to the ozone layer.

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):

The mixture does not contain a persistent organic pollutant.

PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):

The mixture is subject to the Prior Informed Consent (PIC) procedure.
The mixture contains a substance subject to the export notification procedure requirement.
28772-56-7 BROMADIOLONE (ISO)

Explosives precursors :

The mixture does not contain any substance subject to the Poisons act 1972 and control of explosives precursors and poisons regulations Regulation of 2023 (UK).

Labelling for biocidal products (Regulation (UE) n° 528/2012) :

Name	CAS	%	Product-type
BROMADIOLONE (ISO)	28772-56-7	0.05 g/kg	14

Product-type 14 : Rodenticides.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H360D	May damage the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
NOEC : The concentration with no observed effect.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
CMR: Carcinogenic, mutagenic or reprotoxic.
UFI : Unique formulation identifier.
STEL : Short-term exposure limit
TWA : Time-Weighted Average
TMP : French Occupational Illness table
VLE : Threshold Limit Value (exposure)
VME : Average Exposure Value.

JADE GRAIN

ADR : Agreement concerning the international carriage of dangerous goods by road.

GHS08 : Health hazard

IATA : International Air Transport Association.

IMDG : International Maritime Dangerous Goods.

ICAO : International Civil Aviation Organisation

PBT: Persistent, bioaccumulable and toxic.

PIC: Prior Informed Consent.

POP: Persistent Organic Pollutant.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

SVHC : Substances of very high concern.

WGK : Water Hazard Class.

|> Modification compared to the previous version