


MATERIAL SAFETY DATA SHEET	Version 2	
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Dangerous for
the environment



Toxic

1. Chemical product and company identification*

Identification of the preparation

Product name: **LINGO**
Active ingredient: Clomazone & Linuron
Formulation type: Mixture of a capsule suspension (CS) and a suspension concentrate (SC) (ZC)

Recommended use Herbicide

Company identification

Belchim Crop Protection NV
Neringstraat 15
1840 Londerzeel
Belgium
Tel : 0032 (0)52 30 09 06
Fax: 0032 (0)52 30 11 35
Info@belchim.com
0032 (0)14 58 45 45

24 - hour emergency number

2. Hazard identification *

Indication of danger: Toxic
Dangerous for the environment

Adverse human health effects: Limited evidence of a carcinogenic effect.
Harmful: danger of serious damage to health by prolonged exposure if swallowed.
May cause harm to unborn child.
Possible risk of impaired fertility.

Environmental effects: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on ingredients *

Hazardous ingredients	Concentration (w/w)	n° CAS / n° EINECS / Index EC	Symboles	R-phrases ⁽¹⁾
Linuron	< 40%	330-55-2 / 206-356-5 / 006-021-00-1	T, N	40-48/22-50/53-61-62
Clomazone	< 10%	81777-89-1/ - / -	Xn	20/22-52
Salt	< 12%	10043-52-4/ - / 233-140-8	Xi	36
Salt	< 12%	7631-99-4/ - / 231-554-3	Xn	8-22

⁽¹⁾ For R-phrases in full: see heading 16


4. First aid measures

Inhalation: Remove the victim into fresh air. Seek for immediate medical attention.
Ingestion: If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. If the person is fully conscious, try to induce vomiting. Consult a doctor.

Skin contact: Remove all contaminated clothing and footwear. Wash with soap and water. Call a doctor.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. If irritation persists, consult an eye specialist.

For additional information, please consult the **24 - hour emergency number: 0032 (0)14 58 45 45**

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5. Fire fighting measures

Suitable extinguishing media:	Foam, Carbon dioxide (CO ₂), Powders.
Special Hazards:	Toxic fumes are released.
Specific fire fighting methods:	Isolate fire area. Evacuate downwind. Do not dispose of fire-fighting water in the environment. Do not attempt to fight the fire without suitable protective equipment. Do not breathe fumes.
Protection of fire-fighters:	Self-contained breathing apparatus. Compete protective clothing.

6. Accidental release measures

Individual precautions:	Ventilation is necessary. Evacuate the places. Contact an expert immediately. Carry protective clothing.
Environmental precautions:	Do not allow product to spread into the environment. Recover the product with absorbent material. Absorb spillage with earth or sand. Dispose of contaminated material at an authorized site.
Methods for cleaning up:	Do not allow product to spread into the environment. Recover the product with absorbent material. Absorb spillage with earth or sand. Dispose of contaminated material at an authorized site.
Methods after escape/spreading:	Prevent dispersion. Clean any spreading as soon as possible, while collecting it by means of an absorbing product. Dispose of contaminated material in accordance with national or local regulation.

7. Handling and storage

Handling:	When using do not eat, drink or smoke. Do not breathe vapour/spray. Wash hand and contaminated parts of the body with soap and water before eating, drinking, smoking and after work. Wear protective clothing, gloves, eye/face protection and suitable respiratory equipment.
Warehouse storage:	Product should be stored in compliance with local regulations. Store in a cool, dry, well ventilated place, in the original containers. Protect from excessive heat and cold, away from direct sunlight. Do not store near food, drink, animal feedingstuffs, pharmaceuticals or cosmetics. Keep out of reach of children.
User level storage:	Store out of reach of children. Keep away from food and drinks and animal foodstuffs. Store the container tightly closed and dry. Store in a cool, well-ventilated area. Store in accordance with national or local regulation.
Packaging materials:	Keep the product in the original packaging.


8. Exposure controls/ Personal protection

Engineering measures:	Ensure good ventilation of the work station.
Hygienic measures:	Wash hands and face with water and soap before taking a break and after work. Change working clothes each day.
Limits of professional exposure:	No limit of professional exposure is known.
Ingredients:	See Heading 2 (Information on the ingredients).
Individual protection	
Respiratory protection:	Filtering respiratory protective device
Skin protection:	Protective clothing.
Hand protection :	Nitrile protective gloves.
Eye protection:	Eye/face protection equipment
Ingestion:	When using do not eat, drink or smoke.

9. Physical and chemical properties

General information:

Appearance:	Light brown liquid
Odour:	Slight aromatic

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Important health, safety and environmental information

pH :	7,82 (1 % aqueous dilution) [CIPAC MT 75]
Flash point :	Not inflammable [EEC A9]
Flammability:	Not required
Explosive properties:	No explosive properties [EEC A14]
Oxidising properties:	Not required
Auto-flammability:	Product does not present any auto-ignition behaviour until 600 °C [EEC MT A15]
Relative density :	1,2228 g/ml (20 °C) [EEC MT A3]
Viscosity:	Not required

10. Stability and reactivity

Stability:	Chemically and physically stable under normal conditions of use.
Hazardous combustion products:	A fire can release for instance: carbon monoxide (CO), chlorinate, chlorine, nitrogen oxides, phosgene (COCl ₂), hydrocarbons.
Dangerous reactions:	Will not occur.
Materials to avoid:	No
Conditions to avoid:	High temperatures.
Dangerous polymerisation:	Will not occur.

11. Toxicological information

The information below is related to the preparation

Acute toxicity

Acute oral (rat):	LD ₅₀ > 2000-5000 mg/kg body weight [OECD 423]
Acute dermal (rat):	LD ₅₀ > 2000 mg/kg body weight [OECD 402]

Chronic toxicity

Skin irritation (rabbit)	Neither irritant nor corrosive effects [OECD 404]
Eye irritation (rabbit)	Slight irritation but no corrosive effects [OECD 405]
Sensitization (guinea pig)	No reactions identified as sensitization [OECD 406]

The information below is related to linuron

Reproduction class EU	Cat. 3 (R62) Cat. 2 (R61)
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Carcinogenicity class EU	Cat. 3 (R40)
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12. Ecological information

The information below is related to the preparation


Ecotoxicity

-Aquatic organisms:

LC ₅₀ (Rainbow Trout/96h):	5,4 mg test item/l [OECD 203]
EC ₅₀ (Daphnia magna/48h):	9,3 mg/l [OECD 202]

-Algae:

EC ₅₀ (Scenedesmus subspicatus/72h):	0,193 mg/l [OECD 201]
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13. Disposal considerations

Procedures of waste disposal:	Prevent dispersion. Evacuate waste to a clean incinerator. Dispose waste in accordance with the national or local regulations.
Waste of the residues:	Carry out the separation of waste. Evacuate as a dangerous waste, in accordance with the national or local regulations.
Waste of the soil:	Separate waste and packaging. Evacuate as a dangerous waste, in accordance with the national or local regulations.

14. Transport information

International regulations

Land transportation (RID/ADR)

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (linuron)
UN number :	3082
Hazard identification number :	90
Labelling :	9
Class :	9
Classification code :	M6
Packaging group :	III

Sea transportation (IMO/IMDG)

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (linuron)
UN number :	3082
Class :	9
Packaging group :	III
EMS:	F - A, S - F
Transport/ special classification	Marine pollutant


Air transport (ICAO / IATA)

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (linuron)
UN number :	3082
Class :	9
Packaging group :	III

15. Regulatory information*

Classification and labelling based on the EC-directive of dangerous substances 1999/45/EC and his amendments

Symbols of danger :	T - Toxic N - Dangerous for the environment
R-phrases :	R40- Limited evidence of a carcinogenic effect. R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed. R61 - May cause harm to unborn child. R62 - Possible risk of impaired fertility. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases :	S1/2 - Keep locked up and out of the reach of children. S13 - Keep away from food, drink and animal feeding stuffs. S20/21 - When using do not eat, drink or smoke. S23 - Do not breathe spray. S35 - This material and its container must be disposed of in a safe way. S36/37 - Wear suitable protective clothing and gloves. S53 - Avoid exposure - obtain special instructions before use. S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.


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UK Classification and labelling

Symbols of danger :	T - Toxic N - Dangerous for the environment
R-phrases :	R40- Limited evidence of a carcinogenic effect. R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 - May cause harm to unborn child. R62 - Possible risk of impaired fertility
S-phrases :	S1/2 - Keep locked up and out of the reach of children. S13 - Keep away from food, drink and animal feeding stuffs. S20/21 - When using do not eat, drink or smoke. S23 - Do not breathe spray. S35 - This material and its container must be disposed of in a safe way. S36/37 - Wear suitable protective clothing and gloves. S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) S53 - Avoid exposure - obtain special instructions before use. S57 - Use appropriate containment to avoid environmental contamination S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets. SpO 2 Wash all protective clothing after use

16. Other information

Explanation of R-phrases used in heading 2:	R8 - Contact with combustible material may cause fire. R20 - Harmful by inhalation. R22 - Harmful if swallowed. R36 - Irritating to eyes. R40 - Limited evidence of a carcinogenic effect. R48 - Danger of serious damage to health by prolonged exposure R50/53 - Very toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment. R52 - Harmful to aquatic organisms. R61 - May cause harm to unborn child. R62 - Possible risk of impaired fertility.
Sources of the data used:	- Dossiers Belchim Crop Protection NV - Classification Database ECB - Commission Directive 2001/59/EC of 6 August 2001 adapting to technical progress for the 28th time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances - Commission Directive 2004/73/EC of 29 April 2004 adapting to technical progress for the twenty-ninth time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances - Commission Directive 2006/8/EC of 23 January 2006 amending, for the purposes of their adaptation to technical progress, Annexes II, III and V to Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
Update :	Subheadings and text which have been modified since the previous version are followed with an asterisk (*).

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This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products. This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

This information sheet is in line with directive 67/548/EEC, 91/155/EEC, 93/112/EEC, 1999/45/EC, 2001/58/EC and amendments.

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