



Issue date: 22/06/2023
 Revision: 01
 Version: 02
 Replaces: SDS dated 25/02/2014

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

1.1 Product identifier:

Trade name: **Organ-X CURB GARDEN LIQUID Cat & Animal Deterrent**
 Product code: -

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

Relevant identified uses of the substance or mixture:

Formulant for plant protection products.

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

Lodi UK Ltd Bays 3 & 4, Building 69 Third Avenue Pensnett Trading Estate Kingswinford DY6 7FD
 Tel: +44 01384 404242 (office hours only)
 Emergency tel: +44 01384 404242 (office hours only)

1.4 Emergency telephone number

Emergency information services / official advisory body:

Country	Organisation/ Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle- upon-Tyne NE1 4LP Newcastle	0344 892 0111
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Not classified.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Hazard pictograms: [None]

Signal word: [None]

Hazard statements: [None]

Precautionary statements: Precautionary Statements:

P102 - Keep out of reach of children
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P314 - Get medical advice/attention if you feel unwell
P101 - If medical advice is needed, have product container or label to hand

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

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

Substance:	EC/CAS numbers:	EU Index No./REACH Registration Number:	CLP Classification:	Content:
Aluminium ammonium sulphate	232-055-3/ 7784-25-0	-/-	Not classified. Specific Concentration Limits, M-factors and ATEs if available: -	83 g per litre

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of: Dermal exposure, wash skin with water and then with water and soap. Seek medical attention if ill effect or irritation develops.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of skin or eye contact, immediately and thoroughly wash with water. Seek medical attention if ill effect or irritation develops.

In case of Ingestion:

Rinse mouth. Do not under any circumstances induce vomiting. Consult a doctor if concerned.

In case of Inhalation:

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

4.2 Most important symptoms and effects, both acute and delayed

None reported.

4.3 Indication of any immediate medical attention and special treatment needed

GUIDE TO DOCTOR: This product contains aluminium ammonium sulphate. Treatment for alum ingestion should be followed ie gastric lavage with care to prevent aspiration. The product is mammalian repellent and patients may exhibit severe distress. There is no known specific antidote and treatment must be supportive and symptomatic.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Contain the fire with sand or earth or use carbon dioxide, water fog, dry powder or alcohol foam extinguishers prior to the arrival of the Fire Brigade. If a fire occurs adequate protective clothing and self-containing breathing apparatus must be worn. Contain contaminated water – avoid flushing to drains/sewers and freshwater ditches/rivers.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition – thermal oxidative decomposition does not occur at temperatures below 600°C.

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.

Restrict access to the area as appropriate until clean up operations are complete.

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 entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain the spillage with a barrier of earth, sand, sawdust or other similar absorbent material. Sweep up contaminated absorbent material and place in a marked container for disposal by an authorized contractor.

Contaminated surfaces May be cleaned using water or a detergent/water mixture. If contamination occurs in a public place or if the product enters a watercourse or sewer the police and water authorities should be informed.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Keep out of reach of children and away from food, drink and animal feeding stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Product must be stored in the original labeled container, tightly closed in a safe place under lock and key. The product should be protected from frost and is stable in the original packaging for at least 2 years.

7.3 Specific end use(s)

Formulant for plant protection products.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values for components where set:

Substance	Country	CAS number	Workplace Exposure Limit			
			Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)	
			ppm	mg.m ⁻³	Ppm	mg.m ⁻³
Aluminium salts, soluble as Al	Belgium	-	-	2	-	-
Aluminium salts, soluble as Al	United Kingdom	-	-	2	-	-

Source: GESTIS International Limit Values.

DNEL Exposure Limit Values
Not available

PNEC Exposure Limit Values
Not available

8.2 Exposure controls

Primary exposure route – ingestion
Symptoms – unpleasant acidic taste

Suitable protective clothing must be worn when handling the concentrate. All protective clothing, especially the inside of gloves must be washed after use. For further guidance please see Section 2 of this Data Sheet and the product label. Exposure limits not determined.

Appropriate engineering controls:
Ensure that eye wash stations and safety showers are proximal to the work station location.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Light yellow/white liquid	--	--
Odour:	Distinct chemical odour	--	--
Odour threshold:	Not available	--	--
pH:	3.3 (10% solution)		
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:	Not available		
Solubility in water:	Not available	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available		
Decomposition temperature:	Not available	--	--
Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

9.2 Other information

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

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

The product is stable under normal storage conditions in its original container. It must be protected from frost. See also Section 3 of this data sheet.

10.3 Possibility of hazardous reactions

Hazardous polymerisation is not expected to occur.

10.4 Conditions to avoid

Avoid oxidizing materials.

10.5 Incompatible materials

Acidic solution therefore admixture with alkaline materials is not advised.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

(a) acute toxicity:



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Toxicological information of the product:

LD 50 / LC 50: Acute Oral, rat: LD50 Rat (male and female) = > 2g / kg;
Acute Dermal LD50 Rat (male and female) = >2g / kg. Dermal Irritation Rabbit – not irritant
Eye Irritation Rabbit – slight irritant
Chronic Toxicity – no adverse effects reported

(b) skin corrosion/irritation:

Product:
Not classified; no information.

(c) serious eye damage/irritation:

Product:
Not classified; no information.

(d) respiratory or skin sensitisation:

Product:
Not classified; no information.

(f) carcinogenicity:

Product:
Not classified; no information.

(g) reproductive toxicity:

Product:
Not classified; no information.

(h) STOT-single exposure:

Product:
Not classified; no information.

(i) STOT-repeated exposure:

Product:
Not classified; no information.

(j) aspiration hazard:

Product:
Not classified; no information.

11.2 Information on other hazards:

Endocrine disrupting properties: None

Other information: None

SECTION 12: Ecological information

12.1. Toxicity

Aluminium ammonium sulphate is of low environmental toxicity.

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

Does not demonstrate bioaccumulation.

12.4. Mobility in soil

No information.

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

Dispose of unwanted product and empty packaging in accordance with local regulations. Do not use container for any other purpose.

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 available.

14.3. Transport hazard class(es)

Not available.

14.4. Packing group

Not available.

14.5. Environmental hazards

Marine pollutant No
Not available

14.6. Special precautions for user

Not available

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 EU Regulations

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

COMMISSION REGULATION (EU) 2015/830 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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)

National Regulations/legislation:

Refer to applicable national classification, packaging and labelling legislation.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for the mixture.

SECTION 16: Other information

(a) Reasons for revision:

Update to latest version of REACh.

Addition of ATEs and M-factors for ingredients to reflect latest Adaptions to Technical Progress.

(b) Abbreviations and acronyms:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labelling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50:	Effective Concentration 50%
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.
M-Factor:	Multiplication factor [for aquatic toxicity values].
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
UN:	United Nations
vPvB	very persistent and very bioaccumulative
WGK:	German Water Hazard Class.

(c) Key literature references and sources for data:

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

(d) Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Not classified.	Calculation method

(e) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:
 None.

(f) Training advice:

Employee instruction/training in handling hazardous materials is required.

SAFETY DATA SHEET according to Regulation (EC) 2015/830



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(g) Further information:

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 2015/830.
General occupational hygiene training recommended.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product