

SAFETY DATA SHEET

According to Regulation (EU) 2020/878
HYDROLECA

Date of Issue: Nov 2012
Revision: 26/02/2024
Revision No. 1.1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Product Identifier: **HYDROLECA**

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

Expanded clay pebbles.

1.3 Details of the supplier of the safety data sheet

GB/NI

Vitax Limited, Owen Street, Coalville LE67 3DE

IRL

Vitax (Ireland) Ltd, Block 3, Harcourt Centre, Harcourt Road, Dublin 2, D02 A339, Ireland

Tel: +44 (0)1530 510060 Email: info@vitax.co.uk

1.4 Emergency Contact:

For the general public, in GB contact NHS 111/NHS 24 by dialling 111, in NI contact your local GP and in RoI call 01 809 2166

For product advice, Tel: +44 (0)1530 510060 (Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification: **Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**

Physical hazards

Not Classified

Health hazards

Not Classified

Environmental hazards

Not Classified

A safety data sheet is not required for this product. This Safety Data Sheet has been created on a voluntary basis.

2.2 Label Elements: n/a

Signal word: n/a

Hazard statements: n/a

Precautionary Statements n/a

2.3 Other Hazards: This product does not contain any substances classified as PBT or vPvB at concentrations of 0.1% or greater.

Contains no components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: A mixture of sintered silicon aluminum and iron oxides, in the presence of other trace elements, derived from naturally occurring substance (natural clay).

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye contact –

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact –

Rinse with water.

Ingestion –

Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues..

Inhalation –

Avoid breathing dust. Move the exposed person to fresh air at once. Get medical advice/attention if you feel unwell.

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

Like any generally inert dusty or gritty material, eye contact may cause discomfort. The granule size distribution of the product means that it is not hazardous. However, respirable dust generated during handling and use may contain respirable crystalline silica. Prolonged inhalation of respirable dust may cause lung fibrosis. Principal symptoms of lung fibrosis are cough and breathlessness. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Repeated inhalation of excessive amounts of respirable silica may cause silicosis.

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Non-flammable. If involved in a fire use water spray, foam or dry powder.

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5.2 Special hazards arising from substance or mixture:

No specific precautions.

5.3 Advice for firefighters:

No specific fire-fighting procedure given. Use methods suitable to surrounding conditions. The product has excellent fire resistance and classified as non-combustible material.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Keep dust levels to a minimum. Provide adequate ventilation. Avoid inhalation of dust - provide suction extractors if dust is formed or use suitable filter device (refer to section 8).

6.2 Environmental precautions:

No danger to the environment.

6.3 Methods and material for containment and cleaning up:

Sweep up carefully to avoid raising dust and transfer to suitable container.

SECTION 7. HANDLING & STORAGE

7.1 Precautions for Safe Handling:

Ensure adequate ventilation at places where dust can be generated.

7.2 Conditions for Safe Storage:

Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Respirable Silica	14808-60-7	TWA 8hr	0.1 mg/m ³	GB EH40
Nuisance dusts	-	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40

8.2. Exposure controls

No specific personal protective equipment assigned. Normal good industrial hygiene practices should be observed.

Eye/face protection

Wear eye protection (EN 166).

Hand protection

Wear protective gloves (EN 374 part 1, 2, 3).

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Respiratory protection

Wear respirator with suitable P2 particulate filter, EN 136/140/141/145/143/149 if ventilation inadequate.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Solid
Appearance:	Granular
Colour:	grey/brown.
Odour:	None.
Odour threshold;	Not determined
Melting point/freezing;	Not available
Initial boiling point and boiling range;	Not available
Flammability (solid, gas);	Product is not flammable
Explosion limits	Not explosive
Upper /lower explosive limits;	Not available
Flash point;	Not available
Evaporation rate;	Not available
Auto ignition temperature:	Not available
Decomposition temperature:	Not available
pH;	Not available
Density;	7-8 as suspension
Viscosity dynamic:	Not available
Solubility in water:	Insoluble
Partition coefficient: n-octanol/water;	Not applicable
Vapour Pressure;	Not applicable
Vapour density;	Not applicable
Particle size	10-20 mm nominal

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Particle size distribution	Not available
Particle shape	Rounded
Particle aspect ratio	Not available
Particle aggregation state	Not available
Particle agglomeration state	Not available
Particle specific surface area	Not available
Particle dustiness	Not available
9.2. Other information	
Oxidising properties	None

SECTION 10. STABILITY & REACTIVITY

10.1 Reactivity:	Stable under normal conditions.
10.2 Stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions	none
10.4 Conditions to Avoid:	no data
10.5 Incompatible materials:	no data.
10.6 Hazardous Decomposition Products:	No hazardous decomposition products.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified (Based on available data, the classification criteria are not met).
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met).
Serious eye damage/eye irritation	Not classified (Based on available data, the classification criteria are not met).
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met).
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met).
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met). The IARC classifies respirable crystalline silica as a Group 1 carcinogen.
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met).
STOT - single exposure	Not classified (Based on available data, the classification criteria are not met).
STOT - repeated exposure	Not classified (Based on available data, the classification criteria are not met). Prolonged exposure to dust by inhalation may lead to silicosis.
Aspiration toxicity	Not classified (Based on available data, the classification criteria are not met).

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or the EU Regulation Commission (EU) 2018/605 at levels of 0.1% or more.

Prolonged inhalation of respirable crystalline silica

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However, it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)
In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)
There is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits..

SECTION 12. ECOLOGICAL INFORMATION

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12.1 Toxicity:	not classified as hazardous. Natural material with soil conditioning properties
12.2 Persistence and degradability:	no data
12.3 Bioaccumulative potential:	will not bioaccumulate.
12.4 Mobility in soil:	no data.
12.5 Results of PBT and vPvB	The product is an inorganic substance and does not fulfil the criteria for PBT and vPvB according to Annex XIII of REACH.
12.6. Endocrine disrupting properties	Contains no components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7. Other adverse effects	No information available.

SECTION 13.

13.1 Waste treatment methods:

DISPOSAL CONSIDERATIONS

Sweep or vacuum up dry material. Avoid creating dust. Dispose product according to national regulations. The product is not hazardous waste. Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

EWC waste code:

101203 particulates & dust
170103 tiles & ceramics

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number	Not classified.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packaging group	Not applicable.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not evaluated.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to this substance:

EU regulations:

This substance is classified and labelled in accordance with regulation 1999/45/EC, regulation (EC) No 1272/2008 and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations.

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

National regulations United Kingdom:

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

15.2 Chemical Safety Assessment not undertaken for this material

SECTION 16. OTHER INFORMATION

Reason for revision:

Replaces version dated December 2020. Revised in accordance with Regulation (EU) 2020/878. All sections updated.

SDS information:

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.