MATERIAL SAFETY DATA SHEET
Grasstrac

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

1.1 Product Identifier

Product Name Grasstrac

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

Identified uses Professional use in agriculture per instructions

1.3 Details of the supplier of the safety data sheet

Supplier Denis Brinicombe Group
Fordton Industrial Estate
Crediton
Devon EX17 3BZ
Tel: 01363 775115
Fax: 01636 772114

Contact: info@brinicombe.co.uk

Emergency Number 07968 483690

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification

Physical hazards Not classified

Health hazards H334
H350
H360

Environmental hazards H412

2.2 Label elements

Pictogram

Signal Word Danger

Hazard statements	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H350 May cause cancer H360 May damage fertility or the unborn child
Precautionary statements	P103 Read label before use. P260 Do not breathe vapour/spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients	
Sodium Chloride CAS Number Classification:	Approx. 90% 7647-14-5 Void
Mineral Oil CAS Number Classification:	Approx. 1% 8042-47-5 EC number 232-455-8 Void
Cobalt Carbonate CAS Number Classfication	Approx. 6% Aqua Acute 1 H400 Aqua Chronic 2, H411 Carc 1 B, H350i Muta 2, H341 Repr 1B, H360f Resp Sens 1, H334 Skin Sens 1, H317
Zinc Oxide CAS Number Classification:	Between 1 & 2% 1314-13-2 EC number 030-013-00-7 Reach registration number 05-2114478001-59-0000 Aqua Acute 1, H400 Aqua Chronic 1, H410
Selenium Selenite CAS Number	 10102-18-8

SECTION 4: First aid measures	
4.1 Description of first aid measures	
Inhalation	Move affected person to fresh air at one. Rinse nose

	mouth with water. Get medical attention if any discomfort continues
Ingestion	Remove affected person from source of contamination. Remove person to fresh air and keep comfortable for breathing. Never give anything by mouth to an unconscious person. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue
4.2 Most important symptoms and effects, both acute and delayed	
Inhalation Ingestion	Prolonged or repeated exposure to vapours high in concentrations may cause the following adverse effects. May cause sensitisation or allergic reactions in sensitive individuals
Skin contact	This product is corrosive. This product contains a sensitising substance
Eye contact	This product is corrosive. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects. May cause severe eye irritation
4.3 Indication of any immediate medical attention and special treatment needed	
Notes for the doctor	Treat symptomatically. Get medical attention if a large quantity has been ingested
Specific treatments	No special treatment required
SECTION 5 Firefighting measures	
5.1 Extinguishing media Suitable extinguishing media – use alcohol resistant foam, carbon dioxide or dry powder to extinguish. Use dry powder, dry sand or dry earth to extinguish. Water spray, fog or mist	

Unsuitable media
Do not use water jet as extinguisher, as this will spread the fire

5.2 Special hazards arising from the substance or mixture

Hazardous combustion - Thermal decomposition or combustion products may include the following substances. Oxide of carbons. Oxides of nitrogen.

5.3 Advice for firefighters

Protective actions during firefighting - in case of fire, evacuate area. No action shall be taken without appropriate training or involving any personal risk. Control run of water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters - Wear positive pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing

SECTION 6 Accidental release measures

6.1 Personal precautions protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Wear protective clothing as described in Section 8 of this safety data sheet
For non-emergency personnel	Keep upwind to avoid inhalation of gases, vapours, fumes and smoke
For emergency precautions	Wear protective clothing as described in Section 8 of this safety data sheet

6.2 Environmental precautions

Environmental precautions	Avoid spillage or run off entering drains, sewers and watercourses, inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air)

6.3 Methods for cleaning up

Methods for cleaning up	Small spillages - Stop leak if safe to do so. Move containers from spillage area. Do not touch or walk into spilled material. Absorb spillage with sand or other inert absorbent. Large spillages – Absorb spillage with sand or other inert absorbent. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor
6.4 Reference to other sections	For personal protection, see Section 8. For waste disposal. See Section 13

SECTION 7 Handling & Storage

7.1 Precautions for safe handling	
Usage precautions Advice on general occupational hygiene	For professional users only. For personal protection See Section 8 Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash at end of each work shift and before eating, smoking and using the toilet
7.2 Conditions for safe storage including any incompatibilities	
Storage precautions	Store in lightly closed, original container in a dry, cool and well ventilated place
7.3 Specific end use(s)	
Specific end use	The identified uses for this product are detailed in Section 1.2
SECTION 8. Exposure controls/personal protection	
8.1 Control parameters	
Occupational exposure limits	
8.2 Exposure controls Protective equipment Appropriate engineering controls Eye/face protection Hand protection Other skin and body protection Hygiene measures Respiratory protection Environmental exposure Controls	 Avoid prolonged contact with skin. Good personal hygiene procedures should be implemented. Wash promptly with soap with water if skin becomes contaminated. . Do not eat, drink or smoke when using this product. Do not smoke in work area. Provide eyewash station and safety shower
SECTION 9 Physical and chemical properties	
9.1 Information on basic physical and chemical properties	
Appearance	Granules
Colour	Reddish Brown
Odour	Odourless

pH	Not known
Solubility(ies)	
Oxidising properties	Does not meet the criteria for classification as oxidising
9.2 Other information	
SECTION 10 Stability and reactivity	
10.1 Reactivity	
Reactivity	Stable under recommended transport or storage conditions
10.2 Chemical Stability	
Stability	Stable at normal ambient temperatures and when used as recommended
10.3 Possibility of hazardous reactions	
Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below
10.4 Conditions to avoid	
Conditions to avoid	Avoid heat
10.5 Incompatible materials	
Materials to avoid	Avoid contact with the following materials. Strong acids, Strong alkalis. Strong oxidising agents
10.6 Hazardous decomposition products	
Hazardous decomposition	Heating may generate the following products. In combustion emits toxic fumes
SECTION 11 Toxicological information	
11.1 Information on toxicological effects	
	No data available
Cobalt	
Acute toxicity Oral (LD50)	(oral, rat): 640 mg/kg
Zinc Oxide	
Acute toxicity LD50	(mouse): 7950 kg/mg OECD 401 LDL0 – Lowest published lethal value (Oral) Human 500 mg/kg – Not reported other than lethal dose TDLo values to mammals in oral exposure, mg/kg : 6846 Acute toxicity (Inhalation): TCLo values to mammals in inhalation exposure, mg/kg : 600. LD50 values to mammals in non-oral exposure mg/kg : 24
Selenium	
Acute toxicity oral (LD_{50} mg/kg)	Sodium selenite (oral, rat) > 500 mg/kg
Red Oxide	
Acute toxicity oral (LD_{50} mg/kg)	(oral, rat) >5,000mg/kg
Acute toxicity	Exposure to airborne concentrations may cause irritation of the eyes
SECTION 12 Ecological information	
12.1 Toxicity	

12.2 Persistence & degradability	All nutrients present are fundamentally inorganic and persistent
12.3 Bio accumulative potential	The product is designed to accumulate elements within grass to the benefit of grazing animals. There is no adverse bioaccumulation potential in mammals where the product has been used as recommended.
12.4 Mobility in soil	The product is partially soluble in water
12.5 Results of PBT & vPvB assessment	This product does not contain any substances classified as PBT or vPvB
12.6 Other adverse effects	Harmful to aquatic organisms
SECTION 13 Disposal considerations	
General information	The generation of waste should be minimized or avoided wherever possible Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Disposal of this product, process solutions, residues and by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements
Disposal Methods	Dispose of via a licensed waste disposal contractor
Waste Class	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of waste and hazardous waste pursuant to Council directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments
SECTION 14 Transport information	
General	Directive 91/689/EEC on hazardous waste with amendments
14.1 UN number ADR/RID/IMDG/ICAO/ADN	
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing Group	
14.5 Environmental hazards	Environmentally hazardous substance/marine pollutant - No
14.6 Special precautions for user	No special precautions
14.7 Transport in bulk according to Annex II o MARPOL73/78 and the IBC Code	Not applicable
SECTION 15 Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	

National regulations	
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). 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 (as amended).
15.2 Chemical safety assessment	
A chemical safety assessment has been carried out	
SECTION 16 Other information	
Hazard statements in full H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H350 May cause cancer. H360 May damage fertility or the unborn child H412 Harmful to aquatic life with long lasting harmful effects	
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