

PRODUCT SAFETY DATA SHEET

1. † Identification of the Product and the Company

Product Name:

TRIAD

A herbicide for use in agriculture.

Marketed by:

Headland Agrochemicals Ltd.

Contact Points:

In all cases of emergency and for further advice, contact
Headland Agrochemicals Ltd

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2. Composition:

<u>Ingredient</u>	<u>CAS No</u>	<u>Conc'n</u>	<u>Class'n</u>	<u>Risk Phrases</u>
Tribenuron-methyl	101200-48-0	50% w/w	Xi	R43
Citric acid	77-92-9	9.7% w/w	Xi,	R36/38
Magnesium stearate	557-04-0	0.7-1.5% w/w	Xi	R36/37/38
Dialkylsulfo-Succinate (sodium salt)	127-39-9	1.0% w/w	Xi	R38, 41

3. Hazards Identification:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. EU Classification N (Dangerous for the environment)

4. First Aid Measures:

Eyes: Irrigate gently with clean water for at least 15 minutes. Seek medical advice if any irritation or redness persists.

Skin: Wash off immediately with soap and plenty of water.

Ingestion: If conscious, give 1 or 2 glasses of water to drink.
Do not induce vomiting without medical advice. Seek medical advise without delay.

Inhalation: Remove from exposure..

5. Fire Fighting Measures

Triad will not burn. If involved in a fire, decomposition fumes and vapours will be toxic. Fire fighters should wear breathing apparatus.

Use dry chemical, foam, water spray, carbon dioxide, sand or earth. Do not use high volume water jets (contamination risk). Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth if possible.

If the area is heavily exposed to fire and if conditions permit, let the fire burn itself out since water may increase the area contaminated. Keep containers cool with water spray.

6. Accidental Release (Spillage)

Wear suitable protective clothing (see Section 8).

Recover spillage by sweeping, scoop or a suitable industrial vacuum cleaner. Place in a suitable labelled container for later removal to a safe place for disposal.

Do not flush into surface waters, sewers or drains. Do not allow groundwater to become contaminated.

If the spill is on ground near valuable plants or trees, remove the top 5 cms of top-soil after initial clean-up.

7. Storage and Handling

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store under lock and key. Keep away from food, drink and animal feedingstuffs and out of reach of children..

8. Exposure Control/Personal Protection

Wear coveralls, nitrile rubber protective gloves and face-shield to BS2092 when handling the concentrated product and dealing with spillages.

Wash hands and exposed skin before meals and after work. When using do not eat, drink or smoke. Avoid breathing the spray mist when using.

Decontaminate all personal protective equipment after use.

Occupational Exposure Limits: None assigned

9. † Physical and Chemical Properties

Appearance: an off-white solid tablet

Odour: none

pH: 6.6 at 10 g/l

Flashpoint: will not flash

Explosivity: not explosive

Bulk density: 1300 kg/m³

Solubility: disperses in water

10. Stability and Reactivity

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions.

Reactivity: Avoid contact with strong acids and oxidising agents. Being an effervescent tablet, this product will react vigorously when in contact with water.

Decomposition: may generate oxides of carbon and nitrogen if heated to decomposition.

11. Toxicological Information

Acute Toxicity:

Acute oral LD50:	>5,400 mg/kg.bw (rat)
Acute dermal LD50:	>2,000 mg/kg.bw (rabbit)
Inhalation LC50:	No data available
Irritancy:	Not a skin or eye irritant
Sensitisation:	Not a sensitiser

12. Environmental Protection

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not contaminate surface waters or ditches with chemical or used container.

LC50 (96 hour):	Rainbow trout 738 mg/litre (active ingredient)
LC50 (48 hour):	<i>Daphnia</i> >894 mg/litre (active ingredient)
LC50 (72 hour):	Algae <i>Selenastrum</i> 0.1119 mg/litre (active ingredient)

13. Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical. It is recommended that the chemical is incinerated in a suitable incineration plant. Dispose of containers by burning or as permitted by local authorities. Do not re-use containers for any purpose.

14. Transport Information

Road Transport:	Environmentally hazardous solid
UN Number:	3077
Proper Shipping Name:	Environmentally hazardous substance, solid, N.O.S (tribenuron-methyl)
UN Class:	9
CPL Packing Group:	III
Classification Code:	M7
IMDG Class:	9

15. Regulatory Information

Hazard Symbol: Dangerous for the environment N

Risk Phrases:

R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S2 Keep out of reach of children
S13 Keep away from food, drink and animal feedigstuffs
S20/21 When using do not eat, drink or smoke
S46 If swallowed seek medical advice immediately and show this container or label.
S35 This material and its container must be disposed of in a safe way.

S57

Use appropriate containment to avoid environmental contamination

Note: Contains tribenuron-methyl. May produce an allergic reaction.

16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Triad is approved by the Chemicals Regulation Directorate for use as a herbicide.

Registration No. MAPP 12751

Triad is a trademark of Headland Agrochemicals Ltd.

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