

# SAFETY DATA SHEET

## Terp Booster

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008 and associated UK Regulations

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

**1.1 Product identifier**  
Terp Booster

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Plant growth stimulant; fertiliser

**1.3 Details of the supplier of the safety data sheet**  
Mariner Industries Ltd  
Plot 4 King Edward Street  
Grimsby  
DN31 3JU

E mail: [info@terpbooster.co.uk](mailto:info@terpbooster.co.uk)

**1.4 Emergency telephone number**  
Telephone +44 1472 346 900 08.00 – 17.00 Monday-Friday

### SECTION 2: Hazards Identification

**2.1 Classification of the substance or mixture**

**Classification in accordance with the EU Classification Labelling and Packaging Regulation EC (no) 1272/2008**

The product is not classified as hazardous

**2.2 Label elements**

**Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008**

Use only in accordance with instructions.  
Keep out of reach of children  
Read label before use

**2.3 Other hazards**

No hazards have been identified if the product is handled and used as recommended.  
Contains plant-based terpenes. Although not classified as hazardous, these terpenes may provoke an allergic reaction.

### SECTION 3: Composition

**3.1 Substances**

Not applicable - product is a mixture

**3.2 Mixtures**

Name	Identification numbers	% w/w	Classification
Potassium sulphate	EC 231-915-59 CAS 7778-80-5	8 - 10%	Not classified
Blend of plant-based terpene oils, natural organic acids in water	Mixture	To 100%	Not classified No ingredient above threshold for classification or declaration

**SECTION 4: First Aid Measures****4.1 Description of first aid measures**

EYE CONTACT: Rinse thoroughly with water for several minutes and obtain medical attention if signs of discomfort.

INHALATION: No known hazard from inhalation of spray. If discomfort following exposure, seek medical advice.

SKIN CONTACT: If unintentional skin contact, wash with and water.

INGESTION: If swallowed, rinse mouth with water.

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

EYE CONTACT: If liquid gets into the eye it may cause mild discomfort and watering of the eye.

INHALATION: Symptoms unlikely from normal use.

SKIN CONTACT: The product may produce an allergic reaction in those sensitised to terpenes.

INGESTION: Ingestion of the liquid is not expected to cause adverse effects.

**4.3 Indication of any immediate medical attention and special treatments needed**

Symptomatic treatment as required.

**SECTION 5: Firefighting Measures****5.1 Extinguishing media**

Will not sustain combustion. If in vicinity of fire, use media suitable for surrounding materials.

**5.2 Special hazards arising from the substance or mixture**

No special hazards.

**5.3 Advice for fire fighters**

No special advice.

**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

No specific risk from spillage, but may cause slip hazard

**6.2 Environmental precautions**

Prevent entry of large quantities into sewers and watercourses. Product is not classified as hazardous to aquatic organisms and will rapidly biodegrade.

**6.3 Methods and materials for containment and clearing up**

Absorb onto suitable material, collect and place in a sealable container for disposal as low-hazard chemical waste. Clean area thoroughly with water to prevent slip hazard.

**6.4 References to other sections**

See section 8 and 13 for further advice.

## SECTION 7: Handling and Storage

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### 7.1 Precautions for safe handling

Avoid contact with eyes and skin.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in its original labelled container. Keep out of reach of children and animals.

### 7.3 Specific end uses(s)

No special precautions. Read label before use.

## SECTION 8. Exposure Controls/Personal Protection

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### 8.1 Control parameters

#### Exposure limits

No specific exposure limits apply

### 8.2 Exposure controls

#### Engineering controls

Normal room ventilation is expected to be adequate.

#### Respiratory protection

Not required

#### Hand Protection

For industrial or professional use, or if prolonged contact is expected, then suitable gloves may be required. Protective gloves should be made of Nitrile rubber, Viton rubber (fluoro rubber) or any products considered suitable for terpenes. Check with glove suppliers.

#### Eye protection

If being handled in bulk, safety glasses or goggles may be appropriate.

#### Skin protection

For industrial or professional use, then suitable protective clothing should be worn, such as coveralls. Remove protective clothing when contaminated and wash before reuse.

#### Environmental Exposure Controls

Not normally required.

## SECTION 9: Physical and Chemical Properties

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### 9.1 Information on basic physical and chemical properties

- a) **Physical state**  
Clear liquid
- b) **Colour**  
Clear Orange
- c) **Odour**  
Sweet
- d) **Melting point/freezing point**  
Setting point < 0 C
- e) **Boiling point or initial boiling point and boiling range**  
Boiling > 100 C (based on water)
- f) **Flammability**  
Not classified flammable liquid  
Will not support combustion
- g) **Lower and upper explosion limit**

- Not applicable; not considered potentially explosive
- h) **Flash point**  
Flash point > 100 C  
Will not support combustion
  - i) **Auto-ignition temperature**  
Auto-ignition : will not autoignite
  - j) **Decomposition temperature**  
Chemically stable
  - k) **pH**  
Considered neutral
  - l) **Kinematic viscosity**  
As for water
  - m) **Solubility**  
Miscible in water
  - n) **Partition coefficient n-octanol/water (log value)**  
None of the components are considered accumulative due to potential biodegradation
  - o) **Vapour pressure**  
As for water
  - p) **Density and/or relative density**  
Relative density ca 1
  - q) **Relative vapour density**  
Not applicable
  - r) **Particle characteristics**  
Liquid

## 9.2 Other information

No other physical hazards

### 9.2.1 Information with regard to physical hazard classes

No other physical hazards

### 9.2.2 Other safety characteristics

No other characteristics concerning safety

## SECTION 10: Stability and Reactivity

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### 10.1 Reactivity

Not considered to be reactive.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None expected.

### 10.4 Conditions to avoid

No specific conditions.

### 10.5 Incompatible materials

Avoid contact with strong oxidisers.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological Information

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### 11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components. A cosmetic Product Safety Report has been prepared.

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|---|--|
| <b>(a) acute toxicity</b>                 | Based on components, does not present an acute toxicity hazard                             |
| <b>(b) skin corrosion/irritation</b>      | May cause mild irritation to skin from prolonged contact. Not classified.                  |
| <b>(c) serious eye damage/irritation</b>  | May cause mild irritation and discomfort. Not classified.                                  |
| <b>(d) respiratory/skin sensitisation</b> | Contains potential skin sensitisers at low levels. Mixture may cause an allergic reaction. |
| <b>(e) germ cell mutagenicity</b>         | No ingredient known to be potentially mutagenic  |
| <b>(f) carcinogenicity</b>                | No ingredient known to be potentially carcinogenic   |
| <b>(g) reproductive toxicity</b>          | No ingredient known to be potentially toxic for reproduction                               |
| <b>(h) STOT-single exposure</b>           | No ingredient known to have an adverse effect  |
| <b>(i) STOT-repeated exposure</b>         | No ingredient known to have an adverse effect  |
| <b>(j) aspiration hazard</b>              | Not applicable. Water based product  |

## SECTION 12: Ecological Information

### 12.1 Toxicity

Contains low levels of terpenes that are classified as hazardous to aquatic organisms  
Based on components, product not classified hazardous to the environment  
Estimated toxicity of product:

LC<sub>50</sub> (fish 96 hr) > 100 mg/l  
EC<sub>50</sub> (Daphnia, 48 hr) > 100 mg/l  
NOEC (algae, 48 hr) > 100 mg/l

### 12.2 Persistence and degradability

Organic components are considered rapidly biodegradable. No organic components are considered persistent

### 12.3 Bioaccumulative potential

Organic components will be metabolised and not expected to bioaccumulate.

### 12.4 Mobility in soil

Organic components will degrade and not considered Mobile M

### 12.5 Results of PBT, vPvB, PMT assessment

Organic components are not considered to be PBT, vPvB or PMT

### 12.6 Other adverse effects

None known

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Waste should be disposed of in accordance with local regulations. No special treatment.  
Do not discharge large quantities to waste water systems

**SECTION 14: Transport Information**

Not classified for transport hazard

	<b>ADR</b>	<b>IMDG</b>	<b>ICAO</b>
<b>14.1 UN number or ID number</b>	None	None	None
<b>14.2 UN Proper shipping name</b>	None	None	None
<b>14.3 Transport hazard class(es)</b>	None	None	None
<b>14.4 Packing group</b>	None	None	None
<b>14.5 Environmental hazards</b>	None	None	None
<b>14.6 Special precautions for user</b>	None	None	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable	Not applicable	Not applicable

**SECTION 15: Regulatory Information**

Assessed under EU / UK Fertiliser Regulations

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in UK/Europe and REACH Registered as needed.

**15.2 Chemical Safety Assessment**

Key ingredients have undergone Chemical Safety Assessment as part of REACH Registration. No relevant risk management is reported with regard to the intended use of the product.

**SECTION 16: Other Information****Revision information:**

Version 1

**List of Abbreviations used in this SDS:**

CAS Chemical Abstracts Service  
 CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008  
 EC European Community/Commission  
 PBT Persistent, Bioaccumulative and Toxic  
 PMT Persistent, Mobile and Toxic  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006  
 SVHC Substance of Very High Concern  
 vPvB very Persistent, very Bioaccumulative

**References:**

CLP Regulation 1272/2008  
 References to ECHA Information on chemicals, July 2023  
 Source: European Chemicals Agency, <http://echa.europa.eu/>

**Method used for classification of mixtures:**

Ingredient based approach

**H Statements used in Section 3**

None

**Training requirements for workers**

**Terp Booster**

Version number: 01  
Date: 28 July 2023

No special training requirements.