

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Flower Power

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

Supplied for use as an amateur fertiliser product

1.3 Details of the supplier of the safety data sheet:

Richard Jackson's Garden
Jigsaw Marketing & Media Ltd
G.01, Unit 1, Power Road Studios
114 Power Road
London
W4 5PY

Contact: The Safety Officer

Phone number: +44 (0) 20 7788 7686

Email: chris@richardjacksonsgarden.co.uk

1.4 Emergency phone number

Phone number: +44 (0) 20 7788 7686

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Regulation EC 1272/2008 Classification, Labelling and Packaging
Oxidising Solid 3; H272 May intensify fire; oxidizer

Primary Hazard

May intensify fire; oxidizer

2.2 Label Elements

Flower Power



Signal word: Warning

Hazard statements:

H272 May intensify fire; oxidizer

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P221 Take any precaution to avoid mixing with combustibles.

P280 Wear protective gloves/eye protection.

2.3 Other Hazards


Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Code: tba

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Pictogram (s):	H-phrase(s)	Concentration [% w/w]
Potassium nitrate	7757-79-1/ 231-818-8	-	According to 1272/2008: GHS07 	According to 1272/2008: Oxid. Solid 3; H272	70 - 75

The full text for all R-Phrases if not displayed in section 2 or 3 are displayed in Section 16

FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

4.1.2 Skin & Eye exposure

Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eyes: Immediately rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.

4.1.3 Ingestion

Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical attention if symptoms persist or develop.

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.

Information not available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use Foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Special Hazards arising from the substance or mixture

Decomposes on heating to produce oxygen.

May react violently or explosively with many materials such as organic substances, metals and combustible materials.

Possible irritant fumes arising from combustion

5.3 Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment

-appropriate coveralls and gloves

-eye/face protection

-appropriate respirators

Avoid contact with skin and eyes

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Contain spillages. Sweep up avoiding dust and contain in suitably labelled non-metallic container. Dispose of with license waste contractor.

6.4 Reference to other sections

No reference necessary

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Open container with care. Avoid contact with skin and eyes. Wash Hands thoroughly after handling

Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials, organic substances.

7.3 Specific end use(s)

For use as an amateur fertiliser product

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Information not specified

8.2 Exposure controls

Goggles – Eye Protection : goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection.

Respirators – BS approved protection device with P3 filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance; solid

Odour; information not available

Odour threshold; Information not available

pH; information not available

Melting point/freezing; information not available

Initial boiling point and boiling range; information not available

Flash point; Not applicable

Evaporation rate; Information not available

Flammability (solid, gas); Not applicable

Upper /lower flammability or explosive limits; Not applicable

Vapour Pressure; Negligible
Vapour density; Information not available
Specific gravity; Not applicable
Solubility (ies); information not available
Partition coefficient: n-octanol/water; Information not available
Auto ignition temperature: Not applicable
Decomposition temperature: Information not available
Miscibility: 100% soluble in water

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Incompatible with combustible materials, metals, organic substances, strong acids

10.2 Chemical Stability

Stable under normal conditions of use.
Avoid prolonged high temperatures (above 40°C).

10.3 Possibility of hazardous reactions

May react violently or explosively with materials in 10.1

10.4 Conditions to avoid

Stable under normal conditions of use.
Avoid prolonged high temperatures (above 40°C).

10.5 Incompatible materials

Incompatible with combustible materials, metals, organic substances, strong acids

10.6 Hazardous decomposition products

Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

Toxicological information on hazardous ingredients:

Potassium nitrate:

Rat oral LD50 [mg/kg] : > 3000
Rat inhalation LC50 [mg/l/4h] : No data available.
Other toxicological information : May cause eye irritation.

Ingestion of large quantities may cause effects on the blood system resulting in the formation of methaemoglobin. The effects may be delayed.

Seek medical advice.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture not classified as harmful to aquatic life.

Ecotoxicity of ingredients:

Potassium nitrate:

Mild water pollutant (surface water). Ground water pollutant. Insufficient data available on ecotoxicity.
Slightly harmful to plankton (EC50 >1000 mg/l). May cause eutrophication.
Slightly harmful to invertebrates (Daphnia). (EC50, 48 h, 100/1000 mg/l).
Not harmful to fishes (LC50(96h) >1000 mg/l).

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB

Not classified

12.6 Other adverse effects

Information not available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Use only licensed waste disposal companies. Do not re-use empty containers for any purpose.

14. TRANSPORT INFORMATION

14.1 UN number: 1477

14.2 UN proper shipping name: Nitrates, inorganic n.o.s. (Contains: Potassium nitrate E.C. 231-818-8)

14.3 Transport hazard: 5.1

14.4 Packing group: III

14.5 Environmental hazards: mixture not classified for transport

14.6 Special precautions for user: information not available

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

Information not available.

15. REGULATORY INFORMATION

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

This substance is classified and labelled in accordance with Regulation (EC) No 1272/2008 and the EC Fertiliser Regulations 2003, 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.

15.2 Chemical Safety Assessment

CSA not undertaken for this substance

16. OTHER INFORMATION

Reasons for update:

Additions to section 9 Physical and chemical properties

Abbreviations:

LC/LD50	Lethal Dose 50%
Oxid. Solid 3	Oxidising Solid category 3
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative

SDS information:

This Safety data sheet is compiled using data submitted for raw materials and practical experience.
Supplied for use as an amateur fertiliser product.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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