

SAFETY DATA SHEET

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

1.1 Product Identifier:

Flush HW

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

Supplied for use as a professional use fertiliser

1.3 Details of the supplier of the safety data sheet:

Plant Magic Plus Ltd
Unit 12
Liberty Industrial Park
South Liberty Lane
Bristol
BS3 2SU

Contact: The Safety Officer
Phone number: 0117 978 2499

Email: info@plantmagicplus.co.uk

1.4 Emergency phone number

Phone number: 0117 978 2499

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION (according to regulation 1999/45/EEC) calculated using additive method based on contents of individual components

Xi, R36/38

Primary Hazard

Irritating to eyes and skin

2.2 Label Elements

Flush HW

(Contains: Potassium Nitrate E.C. 231-818-8, Ammonium Nitrate E.C. 229-347-8, Nitric Acid E.C. 231-714-2)



Irritant

Full Risk Phrases:

R36/38: Irritating to eyes and skin

Safety phrases:

S2 - keep out of the reach of children

S26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S46 - if swallowed, seek medical advice immediately and show this container or label

2.3 Other Hazards

mixture not classified as PBT or vPvB

3.COMPOSITION/INFORMATION ON INGREDIENTS

Product Code: *not specified*

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No./ EINECS-No.	Symbol(s)	H-phrase(s)	Concentrations [%]
Potassium Nitrate	7757-79-1 231-818-8	O	R8	1.0 – 10.0
Ammonium nitrate	6484-52-2 229-347-8	Xi, O	R8, R36	1.0 - 5.0
Nitric acid	7697-37-2 231-714-2	C	R35	1.0 – 4.9

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

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: Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention immediately.

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

Information not available

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

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

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified

Use personal protective equipment

-appropriate coveralls and gloves

-eye/face protection

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) contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Sweep avoiding generating dust into labelled containers for recovery or contact specialist waste disposal contractor.

6.4 Reference to other sections

No reference necessary

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

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.

7.3 Specific end use(s)

No specific information available

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Information not specified

8.2 Exposure controls

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

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

Gloves – To BS EN374 of gauntlet type in Natural Rubber or PVC (not Nitrile) recommended for acid resistance.

Clothing – Coveralls/apron to BS EN465/466/467.

9.PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance; Liquid

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; Information not available

Evaporation rate; Information not available

Flammability (solid, gas); Information not available

Upper /lower flammability or explosive limits; Information not available

Vapour Pressure; Information not available

Vapour density; Information not available

Specific gravity; Information not available

Solubility (ies); Information not available

Partition coefficient: n-octanol/water; Information not available

Auto ignition temperature: Information not available

Decomposition temperature: Information not available

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Unknown

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Information not available

10.4 Conditions to avoid

Extremes of temperature

10.5 Incompatible materials

None Known

10.6 Hazardous decomposition products

Possible Irritant fumes

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Mixture has not been assessed for toxicological effects. Hazards outlined in section 2 are based on individual component contents

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified as harmful to the environment in accordance with CHIP regulations 2009

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: Product not classified for transport

14.2 UN proper shipping name: Product not classified for transport

14.3 Transport hazard: Product not classified for transport

14.4 Packing group: Product not classified for transport

14.5 Environmental hazards: Product not classified for transport

14.6 Special precautions for user: Product not classified for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Applicable for Maritime bulk transport only. Check with carrier.

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 1999/45/EC, 1272/2008 and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations.

15.2 Chemical Safety Assessment

CSA not undertaken for this substance

16. OTHER INFORMATION

Other R Phrases assigned to individual ingredients but not carried to the final classification:

R8: contact with combustible material may cause fire

R35: causes severe burns

R36: irritating to eyes

MSDS information:

This Material Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010.

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