



William Sinclair Horticulture Limited

SAFETY DATA SHEET

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

1.1 Product Identifier:

J Arthur Bowers Hydrangea Colorant

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

Soil Treatment

1.3 Details of the supplier of the safety data sheet:

William Sinclair Horticulture Limited
Firth Road
Lincoln
LN6 7AH

Contact: The Safety officer
Phone number: 00 44 (0) 1522 537561
Fax: (01522) 513609
E Mail: info@william-sinclair .co.uk

1.4 Emergency phone number

Phone number: 00 44 (0) 1522 537561

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Eye damage 1. H318: Causes serious eye damage

Classification according to 67/548/EEC (EU-DSD)

This mixture is not classified as hazardous to humans or the environment
Xi; R41; Irritant; R41 Risk of serious damage to eyes.

Primary Hazard

Eye Damage

2.2 Label Elements

Labelling requirements under regulation 1272/2008 as amended

Hydrangea Colorant
(Contains: Aluminium Sulfate Hexadecahydrate CAS No 10043-01-3)



Signal word: DANGER

Hazard statement:

H318 Causes serious eye damage

Precautionary Statements:

P280
P305 + P351 + P338

Wear protective gloves / protective clothing / eye protection / face protection
IF IN EYES: Rinse cautiously with water for several minutes. Remove
Contact lenses, if present and easy to do. Continue rinsing.

2.3 Other Hazards

Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Composition**

Component	EC-No	Weight %	CAS No	67/548/EEC Classification	CLP Classification Regulation (EC) No 1272/2008	REACH No
Aluminium Sulfate 10043-01-3	EEC No 233-135-0		10043-01-3	X _i , R41	Eye Damage 1 (H318)	-
Sulfuric Acid, aluminium salt (3:2) hexadecahydrate 16828-11-8		100	16828-11-8	X _i , R41	Eye Damage 1 (H318)	-

4. 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. If breathing is difficult give oxygen; seek medical attention if symptoms persist or develop

4.1.2 Skin & Eye exposure

Skin: Drench immediately with water for 15 minutes. Remove any contaminated clothing and launder before re-use. Obtain medical attention if symptoms develop or persist.

Eyes: Immediately rinse with clean water for 15 minutes. Wash under the eyelid. Obtain medical attention if symptoms develop or persist.

4.1.3 Ingestion

Consult a doctor immediately. If medical assistance is not immediately available seek assistance from the emergency services.

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.

GUIDE TO DOCTOR: Treat symptomatically

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special Hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours

5.3 Advice for fire-fighters

Adequate protective clothing and self-containing breathing apparatus must be worn.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Restrict access to the area as appropriate until clean-up operations are complete.

Ensure adequate ventilation

Use personal protective equipment,

- Gloves
- Eye protection
- Dust Mask

6.2 Environmental Precautions

Prevent material from entering drains or waterways. If drains, streams, soil or sewers become contaminated then notify the local authority.

6.3 Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

6.4 Reference to other sections

See also section 8

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Normal handling: Avoid contact with skin, eyes and clothing. Keep out of reach of children and away from food, drink and animal feeding stuffs

7.2 Conditions for safe storage, including any incompatibilities

Product must be stored in the original labelled container in a cool well ventilated place

7.3 Specific end use(s)

No Information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Component	Exposure Limits
Aluminium Sulphate	STEL: 6 mg m ⁻³ 15 min : TWA 2 mg m ⁻³ 8 hr
Sulphuric Acid aluminium salt (3:2) hexadecahydrate	STEL: 6 mg m ⁻³ 15 min : TWA 2 mg m ⁻³ 8 hr

8.2 Exposure controls

Appropriate Engineering Control: Ensure that eye wash stations and safety showers are proximal to the work station location. Ensure adequate ventilation especially in confined areas

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance; White solid

Melting point/freezing; 86°C

Initial boiling point and boiling range; no information available

Flash point; no information available

Evaporation rate; n/a

Flammability (solid, gas); Not classified as flammable

Solubility (ies); soluble

Molecular Formula: Al₂(SO₄)₃.nH₂O

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

The product is stable under normal storage conditions in its original container. It must be protected from frost. See also Section 3 of this data sheet

10.3 Possibility of hazardous reactions

No specific hazardous reactions known.

10.4 Conditions to avoid

Oxidising Materials. Excess heat. Avoid Dust Formation

10.5 Incompatible materials

Strong Oxidising Agents

10.6 Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide. (CO₂). Sulfur oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral, rat: LD50 Mouse = > 6g / kg; Acute Dermal LD50 Rabbit = >5g / kg.

Chronic Toxicity – no adverse effects reported

11.2 Potential chronic health effects

Carcinogenicity: No adverse effects reported

Mutagenicity: No adverse effects reported

Reproductive toxicity: No adverse effects reported

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture not classified as harmful to aquatic life.

Component	Freshwater Fish	Water Flea
Aluminium Sulfate	37 mg/l LC50 96 h	136 mg/l EC50 15 min 38.2 mg/l EC50 48 hr

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information 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

Disposal method in accordance with all applicable national environment laws and regulations.

14. TRANSPORT INFORMATION

14.1 UN number: Product is unclassified for transport

14.2 UN proper shipping name: Product is unclassified for transport

14.3 Transport hazard Product is unclassified for transport

14.4 Packing group: Product is unclassified for transport

14.5 Environmental hazards: Product is unclassified for transport

14.6 Special precautions for user: No information available

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, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations 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. Regulation (EC)

Risk Phrases

R41- Risk of serious damage to eyes

Hazard Statement

H318 – Causes serious eye damage

16. OTHER INFORMATION

SDS information:

This 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, regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

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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