

**SAFETY DATA SHEET**

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1. Product Identifier:**

**Plantsmith Leaf Shine Spray**

**2. Relevant uses of the substance or mixture and uses advised against:**

**Consumer use: Ready to use leaf shine spray for houseplants.**

**3. Details of the supplier of the safety data sheet:**

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

**Contact: The Safety Officer**

**Phone number: +44 (0) 203 198 2355**

**Email: [chris@richardjacksonsgarden.co.uk](mailto:chris@richardjacksonsgarden.co.uk)**

**4. Emergency phone number**

**Phone number: +44 (0) 7980092863**

**National Poisons Information Service Phone UK 111 / IE 01-8092166**

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2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

Adverse physicochemical, human health and environmental effects: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2 Label Elements**

No labelling applicable

**2.3 Other hazards**

Other hazards which do not result in classification : None under normal conditions.

Bioaccumulation is not expected to occur

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### **3.1 Substances**

Not applicable

#### **3.2 Mixtures**

Non hazardous mixture. A safety data sheet is not required for this product. This document was created on a voluntary basis.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
WATER	CAS-No.: 7732-18-5 EC-No.: 231-791-2	>95%	Not classified

Contains no other components which will influence the classification of the product.

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### 4.0. FIRST AID MEASURES

#### **4.1 Description of first aid measures**

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: Rinse skin with water/shower.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion: Rinse mouth. Get medical advice/attention if you feel unwell.

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

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation: Inhalation of liquid or overexposure to vapours may cause coughing.

Symptoms/effects after skin contact: None under normal conditions.

Symptoms/effects after eye contact: May cause slight irritation.

Symptoms/effects after ingestion: None under normal conditions.

#### **4.3 Indication of any immediate medical attention and special treatment needed.**

Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

#### **5.1 Extinguishing media**

Suitable extinguishing media: Use extinguishing agent suitable for surrounding fire. Dry chemical, CO<sub>2</sub>, or water spray or regular foam.

#### **5.2 Special Hazards arising from the substance or mixture**

Explosion hazard: No direct explosion hazard.

Reactivity in case of fire: None to our knowledge.

Hazardous decomposition products in case of fire: None to our knowledge.

### **5.3 Advice for fire-fighters**

Firefighting instructions: Do not allow run-off from fire-fighting to enter drains or water courses.  
Protection during firefighting: Self-contained breathing apparatus.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Keep out of reach of children.

#### **6.1.1 For non-emergency personnel**

Protective equipment: Concerning personal protective equipment to use, see section 8.  
Emergency procedures: Ventilate area.

#### **6.1.2 For emergency responders**

Protective equipment: Concerning personal protective equipment to use, see section 8.  
Emergency procedures: Stop release.

### **6.2 Environmental Precautions**

Avoid release to the environment. Prevent entry to sewers and public waters.

### **6.3 Methods and material for containment and cleaning up**

For containment Methods: Stop leak without risks if possible. Cover spill with non combustible material, e.g.: sand, earth, vermiculite. For a large spillage, contain the spillage by .  
For cleaning up: Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal. Clean using water and a detergent.  
Other information: Dispose of materials or solid residues at an authorized site.

### **6.4 Reference to other sections**

SECTION 8. SECTION 11. SECTION 13.

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## **7. HANDLING AND STORAGE**

### **7.1 Precaution for safe handling**

Additional hazards when processed: Not expected to present a significant hazard under anticipated conditions of normal use. Keep out of reach of children.  
Precautions for safe handling: Avoid contact with eyes.  
Hygiene measures: Always wash hands after handling the product.

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

Technical measures: Keep out of reach of children.  
Storage conditions: Keep only in original container. Keep cool. Protect from sunlight.  
Incompatible products: None to our knowledge.  
Incompatible materials: None to our knowledge.  
Storage temperature:  $\leq 30\text{ }^{\circ}\text{C}$

### **7.3 Specific end use(s)**

Ready to use leaf shine spray for houseplants.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1.1 National occupational exposure and biological limit values**

No additional information available

### **8.1.2. Recommended monitoring procedures**

Monitoring methods: Not required.

#### **8.1.3. Air contaminants formed**

No additional information available

#### **8.1.4. DNEL and PNEC**

No additional information available

#### **8.1.5. Control banding**

No additional information available

#### **8.2.1. Appropriate engineering controls**

Appropriate engineering controls: Not required for normal conditions of use.

#### **8.2.2. Personal protection equipment**

Personal protective equipment: No special precautions are necessary if the product is used correctly.

##### **8.2.2.1. Eye and face protection**

Eye protection: No special precautions are necessary if the product is used correctly

##### **8.2.2.2. Skin protection**

Skin and body protection: Not required for normal conditions of use

Hand protection: Not required for normal conditions of use

##### **Other skin protection**

Materials for protective clothing: Not required for normal conditions of use

##### **8.2.2.3. Respiratory protection**

Respiratory protection: No respiratory protection needed under normal use conditions

##### **8.2.2.4. Thermal hazards**

Thermal hazard protection: Not required for normal conditions of use.

#### **8.2.3. Environmental exposure controls**

Environmental exposure controls: Avoid release to the environment.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **9.1 Information on basic physical and chemical properties**

**Physical state:** Liquid

**Colour:** white

**Appearance:** Opaque

**Odour:** Lavender

**Odour threshold:** Not applicable

**Melting point:** Not applicable (aqueous liquid)

**Freezing point:**  $\approx 0\text{ }^{\circ}\text{C}$

**Boiling point:**  $\approx 100\text{ }^{\circ}\text{C}$

**Flammability:** Not applicable (aqueous liquid)

**Explosive properties:** Not expected to be a fire/explosion hazard under normal conditions of use.

**Oxidising properties:** Does not meet the criteria for classification as oxidising.

**Lower explosion limit:** Not available

**Upper explosion limit:** Not available

**Flash point:**  $> 99\text{ }^{\circ}\text{C}$

**Auto-ignition temperature:** Not applicable (aqueous non combustible product)

**Decomposition temperature:** Not determined for product as chemical composition does not present hazard

**pH:** 6 – 7

**Viscosity, kinematic:** Not determined

**Viscosity, dynamic:** Not determined as product has low viscosity and this property is not considered relevant for usage or hazard potential of product

**Solubility:** Moderately soluble in water.

**Partition coefficient n-octanol/water (Log Kow):** Not determined

**Partition coefficient n-octanol/water (Log Pow):** Not determined

**Vapour pressure:** Not determined, product is non volatile and therefore not expected to pose a hazard.

**Vapour pressure at 50°C:** Not determined, product is non volatile and therefore not expected to pose a hazard.

**Density:** 1000 kg/m<sup>3</sup>

**Relative density:** 1

**Relative vapour density at 20°C:** Not determined, product is non volatile at 20°C and therefore not expected to pose a hazard.

**Particle characteristics:** Not applicable

## 9.2 Other Information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1): Not determined

Relative evaporation rate (ether=1): Not determined

Relative evaporation rate (water=1): Not determined

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2 Chemical Stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to avoid

Keep out of direct sunlight.

### 10.5 Incompatible materials

None to our knowledge.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known at room temperature.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified  
Skin corrosion/irritation: Not classified pH: 6 – 7  
Serious eye damage/irritation: Not classified pH: 6 – 7  
Respiratory or skin sensitisation: Not classified  
Germ cell mutagenicity: Not classified  
Carcinogenicity: Not classified  
Reproductive toxicity: Not classified  
STOT-single exposure: Not classified  
STOT-repeated exposure: Not classified  
Aspiration hazard: Not classified  
Viscosity, kinematic: Not determined

#### **11.2. Information on other hazards**

No additional information available

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### **12. ECOLOGICAL INFORMATION**

#### **12.1 Toxicity**

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

#### **2.2 Persistence and degradability**

Persistence and degradability: Expected to be biodegradable.

#### **12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (Log Pow): Not determined

Partition coefficient n-octanol/water (Log Kow): Not determined

Bioaccumulative potential: Bioaccumulation is not expected to occur.

#### **12.4 Mobility in soil**

Ecology - soil: Expected to be highly mobile in soil.

#### **12.5 Results of PBT and vPvB**

Bioaccumulation is not expected to occur

#### **12.6 Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties: Not applicable.

#### **12.7. Other adverse effects**

None known.

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### **13. DISPOSAL CONSIDERATIONS**

#### **13.1 Waste Treatment Methods**

Regional legislation (waste): Disposal must be done according to official regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations: Prevent entry to sewers and public waters.

Product/Packaging disposal recommendations: completely empty the packaging prior to decontamination. Clean using water and a detergent. May be disposed of with non-hazardous industrial waste.

Ecological information: Avoid release to the environment.

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#### 14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

No supplementary information available.

#### 14.6. Special precautions for user

Overland transport: Not applicable

Transport by sea: Not applicable

Air transport: Not applicable

Inland waterway transport: Not applicable

Rail transport: Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Overland transport: Not applicable

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#### 15. REGULATORY INFORMATION

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Dual-Use Regulation (428/2009)**

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

**15.1.2. National regulations**

No additional information available

**15.2 Chemical Safety Assessment**

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product

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**16. OTHER INFORMATION**

Abbreviations and acronyms:

SDS: Safety Data Sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

DNEL: Derived-No Effect Level

PNEC: Predicted No-Effect Concentration

CAS-No.: Chemical Abstract Service number

EC-No.: European Community number

EN: European Standard

OEL: Occupational Exposure Limit

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

LOAEL: Lowest Observed Adverse Effect Level

PBT: Persistent Bioaccumulative Toxic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

vPvB: Very Persistent and Very Bioaccumulative

IOELV: Indicative Occupational Exposure Limit Value



**SDS information:**

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex II 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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

PRINTED: DECEMBER 22, 23