



BABY BIO LEAF SHINE

Version 3 / GB
1020000191931/10
Revision Date: 29.07.2014
Print Date: 14.08.2014

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name BABY BIO LEAF SHINE
Product code (UVP) 79233590

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

Use House plant leaf shine

1.3 Details of the supplier of the safety data sheet

Supplier Bayer CropScience Limited
 230 Cambridge Science Park
 Milton Road
 Cambridge
 Cambridgeshire CB4 0WB
 United Kingdom

Telephone +44(0)1223 226500

Telefax +44(0)1223 426240

Responsible Department Email: gardening.adviser@bayergarden.co.uk

1.4 Emergency telephone no.

Emergency telephone no. 0800-220876 (UK 24 hr)
 +44(0)1635-563000 (Overseas 24 hr)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Aerosols: Category 1

H222 Extremely flammable aerosol.

Eye irritation: Category 2

H319 Causes serious eye irritation.

Chronic aquatic toxicity: Category 4

H413 May cause long lasting harmful effects to aquatic life.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

F+ Extremely flammable, R12

R53

R66

R67

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

**BABY BIO LEAF SHINE**Version 3 / GB
1020000191932/10
Revision Date: 29.07.2014
Print Date: 14.08.2014**Signal word:** Danger**Hazard statements**

H222 Extremely flammable aerosol.
 H229 Pressurized container: May burst if heated.
 H319 Causes serious eye irritation.
 H413 May cause long lasting harmful effects to aquatic life.
 EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe spray.
 P271 Use only outdoors or in a well-ventilated area.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/physician.
 P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container to a household waste recycling centre as hazardous waste except for empty containers which can be disposed of in the dustbin. Contact your local council for details.

2.3 Other hazards

Pressurised container, heating will cause pressure rise with a risk of bursting.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Chemical nature**

Aerosol dispenser (AE)

Hazardous components

R-phrases according to EC directive 67/548/EEC
 Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Conc. [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Naphtha (petroleum), heavy alkylate	64741-65-7 265-067-2	Xn; R65 R66 R53	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413	> 10.00
Propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	> 10.00
White mineral oil	8042-47-5 232-455-8	Not classified	Asp. Tox. 1, H304	> 1.00 – < 10.00
Butane	106-97-8	F+; R12	Press. Gas	> 1.00

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

3/10

Revision Date: 29.07.2014

Print Date: 14.08.2014

203-448-7

Flam. Gas 1, H220

Further information

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Move to fresh air. Keep patient warm and at rest.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Eye contact	Remove contact lens and rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Local: Slight irritation Systemic: Nausea, Diarrhoea, Vomiting
-----------------	---

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Local treatment: Initial treatment: symptomatic. Systemic treatment: Initial treatment: symptomatic. In the event of a mouthful or more being ingested, the following measures should be considered: In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
------------------	--

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	High volume water jet

5.2 Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire., Heating can lead to increased pressure with risk of explosion.

5.3 Advice for firefighters

Special protective equipment for fire-fighters In the event of fire, wear self-contained breathing apparatus.

Further information Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

4/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

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

Precautions Keep people away from and upwind of spill/leak. Consider the need for evacuation. Avoid contact with spilled product or contaminated surfaces. Ensure adequate ventilation. When dealing with a spillage do not eat, drink or smoke.

6.2 Environmental precautions Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water.

Additional advice Check also for any local site procedures.

6.4 Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

Advice on protection against fire and explosion The product is extremely flammable. Vapours may form explosive mixture with air. Fire or intense heat may cause violent rupture of packages. Keep away from heat and sources of ignition.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

5/10

Revision Date: 29.07.2014

Print Date: 14.08.2014

Advice on common storage Keep away from food, drink and animal feedingstuffs.**7.3 Specific end uses** Refer to the label and/or leaflet.**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Propan-2-ol	67-63-0	1,225 mg/m ³ /500 ppm (STEL)	1998	JO TLV
Propan-2-ol	67-63-0	980 mg/m ³ /400 ppm (TWA)	1998	JO TLV
Propan-2-ol	67-63-0	999 mg/m ³ /400 ppm (TWA)	12 2011	EH40 WEL
Propan-2-ol	67-63-0	1,250 mg/m ³ /500 ppm (STEL)	12 2011	EH40 WEL
Propan-2-ol	67-63-0	200 ppm (SK-ABS)		OES BCS*
Butane	106-97-8	1,810 mg/m ³ /750 ppm (STEL)	12 2011	EH40 WEL
Butane	106-97-8	1,450 mg/m ³ /600 ppm (TWA)	12 2011	EH40 WEL

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

Personal protective equipment

In normal use conditions personal protective equipment is not deemed to be necessary. If there is a potential for excessive exposure the following applies:

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

Skin and body protection

Wear standard coveralls and Category 3 Type 6 suit.

If there is a risk of significant exposure, consider a higher protective type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

6/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

should be professionally laundered frequently.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Form	aerosol
Colour	light yellow
Flash point	-60 °C The value mentioned relates to the aerosol propellant.
Ignition temperature	288 °C The value mentioned relates to the aerosol propellant.
Upper explosion limit	8.4 %(V) The value mentioned relates to the aerosol propellant.
Lower explosion limit	1.8 %(V) The value mentioned relates to the aerosol propellant.
Relative vapour density	2.9 The value mentioned relates to the aerosol propellant.
Density	ca. 0.77 g/cm ³ at 20 °C
Water solubility	immiscible
9.2 Other information	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Strong acids, Strong oxidizing agents, Store only in the original container.

10.6 Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute oral toxicity ATE > 2,000 mg/kg
ATE – acute toxicity estimate

Acute inhalation toxicity ATE > 5.0 mg/l
ATE – acute toxicity estimate

Acute dermal toxicity ATE > 2,000 mg/kg

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

7/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

	ATE – acute toxicity estimate
Skin irritation	No skin irritation (rabbit)
Eye irritation	No eye irritation (rabbit)
Sensitisation	Non-sensitizing. (guinea pig)

Further information

The above values are calculated in accordance with Regulation (EC) 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish	LC50 (Fish) > 100 mg/l Exposure time: 96 h
Toxicity to aquatic invertebrates	EC50 (Water flea (Daphnia magna)) > 100 mg/l Exposure time: 48 h
Toxicity to aquatic plants	EC50 (Algae) > 100 mg/l Exposure time: 72 h

12.2 Persistence and degradability

Biodegradability no data available

12.3 Bioaccumulative potential

Bioaccumulation no data available

12.4 Mobility in soil

Mobility in soil no data available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulative and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information No other effects to be mentioned.
The above values are calculated in accordance with Regulation (EC) 1272/2008.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product	Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details.
Contaminated packaging	Ensure aerosol container is empty before disposal. Dispose of empty container in the dustbin. Follow advice on product label and/or leaflet.

**BABY BIO LEAF SHINE**Version 3 / GB
102000019193

8/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

Waste key for the unused product **160504** gases in pressure containers (including halons) containing dangerous substances

SECTION 14: TRANSPORT INFORMATION**ADR/RID/ADN**

14.1 UN number	1950
14.2 Proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2.1
14.4 Packing group	NOT APPLICABLE.
14.5 Environm. Hazardous Mark	NO
Hazard no.	NOT APPLICABLE.
Tunnel Code	D

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number	1950
14.2 Proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2.1
14.4 Packing group	NOT APPLICABLE.
14.5 Marine pollutant	NO

IATA

14.1 UN number	1950
14.2 Proper shipping name	AEROSOLS, FLAMMABLE
14.3 Transport hazard class(es)	2.1
14.4 Packing group	NOT APPLICABLE.
14.5 Environm. Hazardous Mark	NO

UK 'Carriage' Regulations

14.1 UN number	1950
14.2 Proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2.1
14.4 Packing group	NOT APPLICABLE.
14.5 Environm. Hazardous Mark	NO

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

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

No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK and Northern Ireland Regulatory References**

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Transport



BABY BIO LEAF SHINE

Version 3 / GB
102000019193

9/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)
Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)
Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009
Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)
EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits
Control of Pesticide Regulations 1986
Dangerous Substances and Explosive Atmospheres Regulations 2002

Waste Treatment

Environmental Protection Act 1990, Part II
Environmental Protection (Duty of Care) Regulations 1991
The Waste Management Licensing Regulations 1994 (as amended)
Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)
Landfill Directive
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)
Water Resources Act 1991
Anti-Pollution Works Regulations 1999

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Text of the hazard statements mentioned in Section 3

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H413	May cause long lasting harmful effects to aquatic life.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.



BABY BIO LEAF SHINE

Version 3 / GB
102000019193

10/10

Revision Date: 29.07.2014
Print Date: 14.08.2014

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Reason for Revision: Safety Data Sheet according to Regulation (EU) No. 453/2010.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.