



Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK

Briggs and Stratton Australia Pty., Ltd.

Chemwatch Hazard Alert Code: 0

Chemwatch: 17-34571

Version No: 2.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Issue Date: 20/02/2019

Print Date: 27/02/2019

L.GHS.AUS.EN

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

Product Identifier

Product name	Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK
Synonyms	Not Available
Proper shipping name	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
Other means of identification	Not Available

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

Relevant identified uses	Lithium ion battery is contained in equipment or packed with equipment. Lithium batteries with UN 3480 and batteries packed with equipment, UN 3481 are unregulated for Transport providing the Transport Code special provisions are met.
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Details of the supplier of the safety data sheet

Registered company name	Briggs and Stratton Australia Pty., Ltd.
Address	3 Imperata Close Kempas Creek NSW 2178 Australia
Telephone	+61 1800 356 632
Fax	Not Available
Website	http://www.briggsandstratton.com/
Email	enquiries@briggsandstratton.com.au

Emergency telephone number

Association / Organisation	Chemwatch	CHEMWATCH EMERGENCY RESPONSE
Emergency telephone numbers	Not Available	+61 1800 951 288
Other emergency telephone numbers	Not Available	+61 2 9186 1132

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Poisons Schedule	Not Applicable
Classification	Not Applicable

Label elements

Hazard pictogram(s)	Not Applicable
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SIGNAL WORD **NOT APPLICABLE**

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

Continued...

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**Substances**

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	100	Ingredients determined not to be hazardous
Not Available		(Lithium Ion Batteries packed with equipment)

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

Eye Contact	▶ Generally not applicable.
Skin Contact	▶ Generally not applicable.
Inhalation	▶ Generally not applicable.
Ingestion	▶ Generally not applicable.

Indication of any immediate medical attention and special treatment needed

- ▶ Generally not applicable.

SECTION 5 FIREFIGHTING MEASURES**Extinguishing media**

- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known
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Advice for firefighters

Fire Fighting	<ul style="list-style-type: none"> ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Wear breathing apparatus plus protective gloves in the event of a fire. ▶ Prevent, by any means available, spillage from entering drains or water courses. ▶ Use fire fighting procedures suitable for surrounding area. ▶ DO NOT approach containers suspected to be hot. ▶ Cool fire exposed containers with water spray from a protected location. ▶ If safe to do so, remove containers from path of fire. ▶ Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	<ul style="list-style-type: none"> ▶ Non combustible. ▶ Not considered a significant fire risk, however containers may burn. <p>Decomposes on heating and produces toxic fumes of: carbon monoxide (CO) carbon dioxide (CO₂) metal oxides</p>
HAZCHEM	4W

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

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	<ul style="list-style-type: none"> ▶ Clean up all spills immediately. ▶ Secure load if safe to do so. ▶ Bundle/collect recoverable product. ▶ Collect remaining material in containers with covers for disposal.
Major Spills	<ul style="list-style-type: none"> ▶ Clean up all spills immediately. ▶ Secure load if safe to do so. ▶ Bundle/collect recoverable product. ▶ Collect remaining material in containers with covers for disposal.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	No special handling procedures required.
Other information	▶ Generally not applicable.

Conditions for safe storage, including any incompatibilities

Suitable container	Store in original containers.
Storage incompatibility	▶ Keep dry

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA**

Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK	Not Available	Not Available

MATERIAL DATA

None assigned.

Exposure controls

Appropriate engineering controls	▶ Generally not applicable.
Personal protection	
Eye and face protection	▶ Generally not applicable.
Skin protection	See Hand protection below
Hands/feet protection	▶ Generally not applicable.
Body protection	See Other protection below
Other protection	▶ Generally not applicable.

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

Appearance	Solid shape article.		
Physical state	Manufactured	Relative density (Water = 1)	Not Applicable
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Applicable
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water	Not Applicable	pH as a solution (1%)	Not Applicable

Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK

Vapour density (Air = 1)	Not Applicable	VOC g/L	Not Applicable
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SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	▶ Generally not applicable.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	▶ Generally not applicable.
Ingestion	▶ Generally not applicable.
Skin Contact	▶ Generally not applicable.
Eye	▶ Generally not applicable.
Chronic	▶ Generally not applicable.

Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK	TOXICITY	IRRITATION
	Not Available	Not Available

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. * Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Acute Toxicity	✘	Carcinogenicity	✘
Skin Irritation/Corrosion	✘	Reproductivity	✘
Serious Eye Damage/Irritation	✘	STOT - Single Exposure	✘
Respiratory or Skin sensitisation	✘	STOT - Repeated Exposure	✘
Mutagenicity	✘	Aspiration Hazard	✘

Legend: ✘ – Data either not available or does not fill the criteria for classification
✔ – Data available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	Not Available	Not Available	Not Available	Not Available	Not Available

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Harmless to the environment in intact form.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

Bioaccumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients

Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

SECTION 13 DISPOSAL CONSIDERATIONS


Briggs & Stratton 18V, 5.0A Battery 883253-A; 4.0Ah Battery 883252-A; 2.5Ah Battery 883251-A PACK

Waste treatment methods

Product / Packaging disposal	<ul style="list-style-type: none"> ▶ Recycle wherever possible or consult manufacturer for recycling options. ▶ Consult State Land Waste Management Authority for disposal. ▶ Bury residue in an authorised landfill. ▶ Recycle containers if possible, or dispose of in an authorised landfill.
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SECTION 14 TRANSPORT INFORMATION

Labels Required

	
Marine Pollutant	NO Not Applicable
HAZCHEM	4W

Land transport (ADG)

UN number	3481				
UN proper shipping name	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT				
Transport hazard class(es)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Class</td> <td style="width: 5%;">9</td> </tr> <tr> <td>Subrisk</td> <td>Not Applicable</td> </tr> </table>	Class	9	Subrisk	Not Applicable
Class	9				
Subrisk	Not Applicable				
Packing group	Not Applicable				
Environmental hazard	Not Applicable				
Special precautions for user	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Special provisions</td> <td style="width: 5%;">188 230 310 348 360 376 377 384 387</td> </tr> <tr> <td>Limited quantity</td> <td>Not Applicable</td> </tr> </table>	Special provisions	188 230 310 348 360 376 377 384 387	Limited quantity	Not Applicable
Special provisions	188 230 310 348 360 376 377 384 387				
Limited quantity	Not Applicable				

Air transport (ICAO-IATA / DGR)

UN number	3481														
UN proper shipping name	Lithium ion batteries contained in equipment (including lithium ion polymer batteries); Lithium ion batteries packed with equipment (including lithium ion polymer batteries)														
Transport hazard class(es)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">ICAO/IATA Class</td> <td style="width: 5%;">9</td> </tr> <tr> <td>ICAO / IATA Subrisk</td> <td>Not Applicable</td> </tr> <tr> <td>ERG Code</td> <td>9F</td> </tr> </table>	ICAO/IATA Class	9	ICAO / IATA Subrisk	Not Applicable	ERG Code	9F								
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ICAO / IATA Subrisk	Not Applicable														
ERG Code	9F														
Packing group	Not Applicable														
Environmental hazard	Not Applicable														
Special precautions for user	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Special provisions</td> <td style="width: 50%;">A48 A88 A99 A154 A164 A181 A185 A206; A88 A99 A154 A164 A181 A185 A206</td> </tr> <tr> <td>Cargo Only Packing Instructions</td> <td>967; 966</td> </tr> <tr> <td>Cargo Only Maximum Qty / Pack</td> <td>35 kg</td> </tr> <tr> <td>Passenger and Cargo Packing Instructions</td> <td>967; 966</td> </tr> <tr> <td>Passenger and Cargo Maximum Qty / Pack</td> <td>5 kg</td> </tr> <tr> <td>Passenger and Cargo Limited Quantity Packing Instructions</td> <td>Forbidden</td> </tr> <tr> <td>Passenger and Cargo Limited Maximum Qty / Pack</td> <td>Forbidden</td> </tr> </table>	Special provisions	A48 A88 A99 A154 A164 A181 A185 A206; A88 A99 A154 A164 A181 A185 A206	Cargo Only Packing Instructions	967; 966	Cargo Only Maximum Qty / Pack	35 kg	Passenger and Cargo Packing Instructions	967; 966	Passenger and Cargo Maximum Qty / Pack	5 kg	Passenger and Cargo Limited Quantity Packing Instructions	Forbidden	Passenger and Cargo Limited Maximum Qty / Pack	Forbidden
Special provisions	A48 A88 A99 A154 A164 A181 A185 A206; A88 A99 A154 A164 A181 A185 A206														
Cargo Only Packing Instructions	967; 966														
Cargo Only Maximum Qty / Pack	35 kg														
Passenger and Cargo Packing Instructions	967; 966														
Passenger and Cargo Maximum Qty / Pack	5 kg														
Passenger and Cargo Limited Quantity Packing Instructions	Forbidden														
Passenger and Cargo Limited Maximum Qty / Pack	Forbidden														

Sea transport (IMDG-Code / GGVSee)

UN number	3481						
UN proper shipping name	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)						
Transport hazard class(es)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">IMDG Class</td> <td style="width: 5%;">9</td> </tr> <tr> <td>IMDG Subrisk</td> <td>Not Applicable</td> </tr> </table>	IMDG Class	9	IMDG Subrisk	Not Applicable		
IMDG Class	9						
IMDG Subrisk	Not Applicable						
Packing group	Not Applicable						
Environmental hazard	Not Applicable						
Special precautions for user	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">EMS Number</td> <td style="width: 5%;">F-A , S-I</td> </tr> <tr> <td>Special provisions</td> <td>188 230 310 348 360 376 377 384 387</td> </tr> <tr> <td>Limited Quantities</td> <td>0</td> </tr> </table>	EMS Number	F-A , S-I	Special provisions	188 230 310 348 360 376 377 384 387	Limited Quantities	0
EMS Number	F-A , S-I						
Special provisions	188 230 310 348 360 376 377 384 387						
Limited Quantities	0						

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

Not Applicable

SECTION 15 REGULATORY INFORMATION**Safety, health and environmental regulations / legislation specific for the substance or mixture****National Inventory Status**

National Inventory	Status
Australia - AICS	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Canada - DSL	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Canada - NDSL	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
China - IECSC	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Europe - EINEC / ELINCS / NLP	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Japan - ENCS	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Korea - KECI	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
New Zealand - NZIoC	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Philippines - PICCS	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
USA - TSCA	No (Ingredients determined not to be hazardous) Non-disclosed ingredients
Legend:	<i>Yes = All ingredients are on the inventory</i> <i>No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)</i>

SECTION 16 OTHER INFORMATION

Revision Date	20/02/2019
Initial Date	20/02/2019

SDS Version Summary

Version	Issue Date	Sections Updated
2.1.1.1	20/02/2019	Supplier Information

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average
 PC – STEL: Permissible Concentration-Short Term Exposure Limit
 IARC: International Agency for Research on Cancer
 ACGIH: American Conference of Governmental Industrial Hygienists
 STEL: Short Term Exposure Limit
 TEEL: Temporary Emergency Exposure Limit.
 IDLH: Immediately Dangerous to Life or Health Concentrations
 OSF: Odour Safety Factor
 NOAEL :No Observed Adverse Effect Level
 LOAEL: Lowest Observed Adverse Effect Level
 TLV: Threshold Limit Value
 LOD: Limit Of Detection
 OTV: Odour Threshold Value
 BCF: BioConcentration Factors
 BEI: Biological Exposure Index

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