

Safety Data Sheet (SDS) Report

Applicant: TAIZHOU ZHONGLIAN ELECTRICAL CO.,LTD
No.568, Jingyi Road, Jiaojiang Economic Zone, Taizhou, China.

SDS number: P2019082603S1

Issue Date: 2019-10-11

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : Jobsite Fan
Physical State : Solid
Data Received : Oct 08, 2019
Initial Version Date : Aug 30, 2019
Data Reviewed : Oct 11, 2019

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Regulatory Consultant

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Safety Data Sheet

Jobsite Fan

TAIZHOU ZHONGLIAN ELECTRICAL CO.,LTD

SDS number: P2019082603S1

Version No:1.1

According to OSHA HazCom Standard (2012) requirements

Issue Date:11/10/2019

GHS.U.S.A.EN

SECTION 1 IDENTIFICATION

Product Identifier

Product name	Jobsite Fan
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
Other means of identification	Model:PJSFM1

Recommended use of the chemical and restrictions on use

Relevant identified uses	Air Cooling
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Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Supplier name	TAIZHOU ZHONGLIAN ELECTRICAL CO.,LTD
Address	No.568, Jingyi Road, Jiaojiang Economic Zone, Taizhou, China.
Telephone	+86-576-89088233
Emergency telephone	+86-576-89088233
Email	sales@zolee.cn
Importer name	KLEIN TOOLS, INC
Address	450 Bond St,Lincolnshire, IL, 60069, United States
Telephone	+1-847-821-3305
Email	RGoldmann@kleintools.com

Emergency phone number

Association / Organisation	KLEIN TOOLS, INC
Emergency telephone numbers	+1-847-821-3305(9:00-17:00)

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Not considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Classified as Dangerous Goods for transport purposes.

Classification	Not Applicable
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Label elements

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

Not Applicable

Hazard(s) not otherwise classified

Not Applicable

Supplementary statement(s)

Not Applicable

Precautionary statement(s) General

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Continued...

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Precautionary statement(s) Disposal

Not Applicable

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

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
-	100	<u>Lithium ion batteries</u>

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.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES**Extinguishing media**

- ▶ Sand, dry powder extinguishers or other inerts should be used to smother dust fires.

Special hazards arising from the substrate or mixture

Fire Incompatibility	<ul style="list-style-type: none"> ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result ▶ NOTE: May develop pressure in containers; open carefully. Vent periodically.
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Special protective equipment and precautions for fire-fighters

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. Slight hazard when exposed to heat, flame and oxidisers.
Fire/Explosion Hazard	<ul style="list-style-type: none"> ▶ Combustible. ▶ Slight fire hazard when exposed to heat or flame. Combustion products include: carbon monoxide (CO) carbon dioxide (CO ₂) other pyrolysis products typical of burning organic material.

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.
Major Spills	<ul style="list-style-type: none"> ▶ Clear area of personnel. ▶ Clean up all spills immediately. ▶ Wear protective clothing, safety glasses, dust mask, gloves.

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

Continued...

Jobsite Fan

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	<ul style="list-style-type: none"> ▶ Limit all unnecessary personal contact. ▶ Wear protective clothing when risk of exposure occurs.
Other information	<ul style="list-style-type: none"> ▶ Store in original containers. ▶ Keep containers securely sealed. ▶ Store away from incompatible materials.

Conditions for safe storage, including any incompatibilities

Suitable container	PE bag + carton
Storage incompatibility	<ul style="list-style-type: none"> ▶ WARNING: Avoid or control reaction with peroxides. ▶ Keep dry ▶ NOTE: May develop pressure in containers; open carefully. Vent periodically.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

Not Available

INGREDIENT DATA

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Jobsite Fan	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Jobsite Fan	Not Available	Not Available

Exposure controls

Appropriate engineering controls	Articles or manufactured items, in their original condition, generally don't require engineering controls during handling or in normal use. Exceptions may arise following extensive use and subsequent wear, during recycling or disposal operations where substances, found in the article, may be released to the environment.
Personal protection	
Eye and face protection	<ul style="list-style-type: none"> ▶ Safety glasses with side shields. ▶ Chemical goggles. <p>No special equipment required due to the physical form of the product.</p>
Skin protection	See Hand protection below
Hands/feet protection	<ul style="list-style-type: none"> ▶ Wear chemical protective gloves, e.g. PVC. ▶ Wear safety footwear or safety gumboots, e.g. Rubber <p>No special equipment required due to the physical form of the product.</p>
Body protection	See Other protection below
Other protection	<ul style="list-style-type: none"> ▶ Overalls. ▶ P.V.C.

Respiratory protection

Respiratory protection not normally required due to the physical form of the product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available

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Jobsite Fan

Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Flammable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Insoluble	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable.
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

Acute Toxicity	Based on available data, the classification criteria are not met.
Skin Irritation/Corrosion	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation	Based on available data, the classification criteria are not met.
Respiratory or Skin sensitisation	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductivity	Based on available data, the classification criteria are not met.
STOT - Single Exposure	Based on available data, the classification criteria are not met.
STOT - Repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	Based on available data, the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Jobsite Fan	Based on available data, the classification criteria are not met.
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DO NOT discharge into sewer or waterways.

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

Jobsite Fan

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. ▶ DO NOT allow wash water from cleaning or process equipment to enter drains. ▶ It may be necessary to collect all wash water for treatment before disposal. ▶ Recycle wherever possible or consult manufacturer for recycling options. ▶ Consult State Land Waste Authority for disposal.
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SECTION 14 TRANSPORT INFORMATION

Marine Pollutant	NO
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Land transport (DOT)

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%;">Class</td> <td style="border-left: 1px dashed black;">9</td> </tr> <tr> <td>Subrisk</td> <td style="border-left: 1px dashed black;">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%;">Hazard Label</td> <td style="border-left: 1px dashed black;">9</td> </tr> <tr> <td>Special provisions</td> <td style="border-left: 1px dashed black;">181, 422, A54</td> </tr> </table>	Hazard Label	9	Special provisions	181, 422, A54
Hazard Label	9				
Special provisions	181, 422, A54				

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="border-left: 1px dashed black;">9</td> </tr> <tr> <td>ICAO / IATA Subrisk</td> <td style="border-left: 1px dashed black;">Not Applicable</td> </tr> <tr> <td>ERG Code</td> <td style="border-left: 1px dashed black;">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="border-left: 1px dashed black;">A48 A88 A99 A154 A164 A181 A185 A206 A213; A88 A99 A154 A164 A181 A185 A206 A213</td> </tr> <tr> <td>Cargo Only Packing Instructions</td> <td style="border-left: 1px dashed black;">967 II</td> </tr> <tr> <td>Cargo Only Maximum Qty / Pack</td> <td style="border-left: 1px dashed black;">35 kg</td> </tr> <tr> <td>Passenger and Cargo Packing Instructions</td> <td style="border-left: 1px dashed black;">967 II</td> </tr> <tr> <td>Passenger and Cargo Maximum Qty / Pack</td> <td style="border-left: 1px dashed black;">5 kg</td> </tr> <tr> <td>Passenger and Cargo Limited Quantity Packing Instructions</td> <td style="border-left: 1px dashed black;">Forbidden</td> </tr> <tr> <td>Passenger and Cargo Limited Maximum Qty / Pack</td> <td style="border-left: 1px dashed black;">Forbidden</td> </tr> </table>	Special provisions	A48 A88 A99 A154 A164 A181 A185 A206 A213; A88 A99 A154 A164 A181 A185 A206 A213	Cargo Only Packing Instructions	967 II	Cargo Only Maximum Qty / Pack	35 kg	Passenger and Cargo Packing Instructions	967 II	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 A213; A88 A99 A154 A164 A181 A185 A206 A213														
Cargo Only Packing Instructions	967 II														
Cargo Only Maximum Qty / Pack	35 kg														
Passenger and Cargo Packing Instructions	967 II														
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="border-left: 1px dashed black;">9</td> </tr> <tr> <td>IMDG Subrisk</td> <td style="border-left: 1px dashed black;">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="border-left: 1px dashed black;">F-A , S-I</td> </tr> <tr> <td>Special provisions</td> <td style="border-left: 1px dashed black;">188 230 310 348 360 376 377 384 387</td> </tr> <tr> <td>Limited Quantities</td> <td style="border-left: 1px dashed black;">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						

The article is not subject to other provisions of IMO IMDG Code according to special provision 188

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

Continued...

Jobsite Fan

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Alaska Limits for Air Contaminants	US Chemical Footprint Project - Chemicals of High Concern List
US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)	US Clean Air Act - Hazardous Air Pollutants
US - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs (CRELs)	US CWA (Clean Water Act) - Priority Pollutants
US - California Permissible Exposure Limits for Chemical Contaminants	US CWA (Clean Water Act) - Toxic Pollutants
US - California Proposition 65 - Carcinogens	US EPCRA Section 313 Chemical List
US - Hawaii Air Contaminant Limits	US National Toxicology Program (NTP) 14th Report Part A Known to be Human Carcinogens
US - Idaho - Limits for Air Contaminants	US National Toxicology Program (NTP) 14th Report Part B. Reasonably Anticipated to be a Human Carcinogen
US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Michigan Exposure Limits for Air Contaminants	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
US - Minnesota Permissible Exposure Limits (PELs)	US TSCA Chemical Substance Inventory - Interim List of Active Substances
US - Oregon Permissible Exposure Limits (Z-1)	US TSCA New Chemical Exposure Limits (NCEL)
US - Rhode Island Hazardous Substance List	US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements
US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants	US TSCA Section 5(a)(2) - Significant New Use Rules (SNURs)
US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants	
US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants	
US - Washington Permissible exposure limits of air contaminants	
US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values	

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SECTION 311/312 HAZARD CATEGORIES	
Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

None Reported

State Regulations

US. CALIFORNIA PROPOSITION 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

US - CALIFORNIA PROPOSITION 65 - CARCINOGENS: LISTED SUBSTANCE

Nickel compounds Listed

SECTION 16 OTHER INFORMATION

Other information

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.

Jobsite Fan**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