**1 SECTION 1: Product and Company Identification**

Product identifier
- **Product name:** RK286K2 20v 2.0Ah Sonicrafter

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

Identified uses: Used for electric tools

Details of the supplier of the safety data sheet
- **Supplier:** Positec Machinery(China)Co.,Ltd.
- **Address:** No.18 Dongwang Road, Suzhou Industrial Park
- **Postcode:** 215123
- **E-mail:** Positec.sz@positecgroup.com
- **Tel:** +86-512-67631888
- **Fax:** +86-512-67631999

Emergency telephone number in USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-741-5970

**2 SECTION 2: Hazards identification**

**Emergency situation:** warning, do not open and disassemble it, and do not exposed to fire or open flame; Don't mix put batteries with different models and different types. It will expose and burn when in fire; Do not short circuit, extrusion, burning or remove the battery.

**3 SECTION 3: Composition/information on ingredients**

dangerous components.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Material Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>7440-22-4</td>
<td>0.14%</td>
</tr>
<tr>
<td>Tin</td>
<td>7440-31-5</td>
<td>0.27%</td>
</tr>
<tr>
<td>2,4,6(1H,3H,5H)-Pyrimidinetrione, 5,5’-(1H-isoindole-1,3(2H)-dihydridene)bis-</td>
<td>36888-99-0</td>
<td>0.01%</td>
</tr>
<tr>
<td>ABS resin</td>
<td>9003-56-9</td>
<td>0.01%</td>
</tr>
<tr>
<td>Borate(1-), tetrafluoro-, lithium</td>
<td>14283-07-9</td>
<td>0.01%</td>
</tr>
<tr>
<td>Poly(oxy-1,4-butanedioloxycarbonyl-1,4-phenyleneoxy)</td>
<td>24968-12-5</td>
<td>0.04%</td>
</tr>
<tr>
<td>Fatty acids, coco, polymers with benzoic acid, pentaerythritol and phthalic anhydride</td>
<td>68604-67-1</td>
<td>0.04%</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and ethenylbenzene</td>
<td>9010-93-9</td>
<td>0.05%</td>
</tr>
<tr>
<td>2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene, ethenylbenzene and 2-propenenitrile</td>
<td>9010-94-0</td>
<td>0.05%</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>0.05%</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>0.06%</td>
</tr>
<tr>
<td>Styrene/butadiene copolymer</td>
<td>9003-55-8</td>
<td>0.06%</td>
</tr>
<tr>
<td>Carbamic acid, octadecyl-, ethenyl ester, homopolymer</td>
<td>36671-85-9</td>
<td>0.06%</td>
</tr>
</tbody>
</table>
### 4 SECTION 4: First aid measures

For the material leaked from battery interior

**Eye contact:** if contact, rinse with clean water for at least 15mins, turns upper and lower eyelid until the chemical residue gone, then go to see doctor immediately.

**Skin contact:** if contact, rinse with suds. Meanwhile take off the polluted clothes and shoes. If chemical burns or continual stimulates, please go to see a doctor immediately.

**Eat:** go to see a doctor immediately

**Inhalation:** remove him to the area that with the clean air immediately, provide him artificial respiration if can not breathe, don’t use mouth-to-mouth breath method.

If has difficulty to breathe, given oxygen to overcome breathing problem. Go to see a doctor immediately.

### 5 SECTION 5: Fire fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, dry chemical powder, water spray.
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Version number 1
Revision date 5.2.2015

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- Unsuitable extinguishing agents: No information available.
- Special hazards arising from the substance or mixture: Not flammable.
- Advice for firefighters: Fire-fighters should wear appropriate breathing apparatus and protective equipment.

6 SECTION 6: Accidental release measures

Personal precautions
Use personal protective clothing. Avoid contact with skin, eyes and clothing. Avoid breathing fume and gas.

Environmental precautions
Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up/taking up
Take up mechanically and send for disposal.

7 SECTION 7: Handling and storage

Handling
Advice on safe handling
Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble.
Advice on protection against fire and explosion
Keep away from open flames, hot surfaces and sources of ignition.

Storage
Requirements for storage rooms and vessels
Storage at room temperature (approx. 20°C) at approx. 20% of the nominal capacity.
Keep in closed or original container.

8 SECTION 8: Exposure controls/personal protection

Engineering Control: Select the appropriate ventilation and temperature control equipment, which should be equipped with eye cleaning and shower equipment. Use local equipment to ensure its concentration under the limitation.

Eye protection: Not necessary under normal use. Wear safety goggles or glasses with side shields if handling a leaking or ruptured battery.
Hand protection: Not necessary under normal use. Wear rubber gloves if handling a leaking or ruptured battery.
Skin protection: Not necessary under normal use. Wear protection suit in case of handling a leaking or ruptured battery.
Respiratory protection: Not necessary under normal use. Keep the air circulation in case of handling a leaking or ruptured battery. Do not use it in a narrow place in this case.

9 SECTION 9: Physical and chemical properties

Physical state: Solid
Color: black
Smell: N/A
Voltage: 18V
Weight: 385g
Capacity: 2.0Ah
Safety Data Sheet

Product name: RK2863 20v 2.0Ah Sonicrafter

Watt-hours of Battery: 36Wh
Solubility in water: Does not dissolve in water

10 SECTION 10: Stability and reactivity

Stability: It should be stable under the condition of normal storage and operation.
Conditions to avoid: Overheat; Exposure to humid conditions; Mechanical vibration
Taboo materials: strong oxidant
Hazardous decomposition products: Under the condition of burning may produce harmful decomposition products
Hazardous polymerization reaction: NA

11 SECTION 11: Toxicological information

- Acute toxicity: No data available.
- Skin corrosion/irritation: No irritant effect.
- Serious eye damage/irritation: No irritating effect.
- Respiratory or skin sensitization: No sensitizing effects known.
- Specific target organ system toxicity: No information available.
- Toxicokinetics, metabolism and distribution: No information available.
- Aspiration hazard: No information available.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No information available.

12 SECTION 12: Ecological information

There are no ecological injuries under normal usage. Do not flush into water or sanitary sewer system

13 SECTION 13: Disposal considerations

Advice on disposal
For recycling consult manufacturer.
Disposal in accordance with local regulations

14 SECTION 14: Transport information

Carefully without dropping, falling, breakage, or wetting by the rain.
This product meets the requirement of UN38.3 Criteria.
Transport under following regulations.
Air
- IATA (International Air Transport Association): DGR (Dangerous Goods Regulations)
- ICAO (International Civil Aviation Organization): TI (Technical Instructions for Safety
Transport of Dangerous Goods by Air)
Marine
The UN Number is 3480 and Class is 9.

15 SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance
Product name: RK2863 20v 2.0Ah Sonicrafter

USA or EU Regulation:

- Authorizations: No information available.
- Restrictions on use: No information available.

16 SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.