

Report No.: SZARR190903023-01

MATERIAL SAFETY DATA SHEETS

Client Name : ATSLIGHTS LIMITED

Address : No. 2 Building, No. 4 Industrial Zone, Jiaoxin Fifth
Society, Shijing Town, Baiyun District, Guangzhou

Product Name : Led par light

Date : Sept. 10, 2019

Shenzhen Anbotech Compliance Laboratory Limited**Shenzhen Anbotech Compliance Laboratory Limited**Address: East of 4/F., Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District,
Shenzhen, Guangdong, China

Tel: (86)755-26066126 Fax: (86)755-26066021 Email: service@anbotech.com

Hotline
400-003-0500
www.anbotech.com

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Applicant : ATSLITGHTS LIMITED**Address** : No. 2 Building, No. 4 Industrial Zone, Jiaoxin Fifth Society, Shijing Town, Baiyun District, Guangzhou**The submitted sample and sample information was/were submitted and identified by/on the behalf of the client****Sample Name** : Led par light**Model No.** : Trio Par RGBW**Manufacturer** : ATSLITGHTS LIMITED**Supplier** : ATSLITGHTS LIMITED**Buyer** : Eliminator Lighting**Trade Mark** : Eliminator**Country of Destination** : U.S.A**Country of Origin** : China**Sample Received Date** : Sept. 03, 2019**Testing Period** : Sept. 03, 2019 to Sept. 10, 2019**Preparation standard** : Hazard Communication standard (OSHA HCS) 29 CFR 1910.1200

This draft is used to confirm basic informations only, the final signed version shall prevail.

Edited by _____

Reviewed by _____

Authorized Signatory _____

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Section 1. Chemical Product and Company Identification

Product identifier

Product name : Led par light
Trade name : /
Model : Trio Par RGBW
CAS No. : Refer to section 3
EC No. : Refer to section 3
Molecular formula : Refer to section 3

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

Relevant identified uses : Stage lighting equipment
Uses advised against : /

Details of the supplier of the safety data sheet

Supplier : ATSLIGHTS LIMITED
Manufacturer : ATSLIGHTS LIMITED
Country of origin : China
Export to : U.S.A
Buyer : Eliminator Lighting
Website : /
Telephone : 15013003901
Fax : /
E-mail address : Carl@atslights.cn

Emergency telephone number

Emergency phone : /

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Section 2. Hazards identification

Hazards Classification

GHS Classification in accordance with Hazard Communication standard (OSHA HCS) 29 CFR 1910.1200, the sample is divided into the following hazard category.

Physical hazard : Not classified as physical hazard category.

Health hazard : Not classified as health hazard category.

Environment hazard : Not classified as environment hazard category.

Label elements

The product does not need to be labelled in accordance with GHS Classification and Hazard Communication standard (OSHA HCS) 29 CFR 1910.1200.

Other hazards

No further relevant information available.

Section 3. Composition/Information on Ingredients

| Chemical Name | Molecular formula | Percent of Content (%) | CAS No. | EC No. |
|---|-------------------|------------------------|------------|-----------|
| Acrylonitrile Butadiene Styrene plastic | / | 50 | 9003-56-9 | / |
| Epoxy resin | / | 5 | 25068-38-6 | / |
| Tin | Sn | 5 | 7440-31-5 | 231-141-8 |
| Ferrum | Fe | 15 | 7439-89-6 | 231-096-4 |
| Copper | Cu | 10 | 7440-50-8 | 231-159-6 |
| Silicon | Si | 15 | 7440-21-3 | 231-130-8 |

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Section 4. First Aid Measures

- Inhalation** : If breathed in dust/smoke/vapour/mist, remove victim from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical advice immediately.
- Skin Contact** : If on skin, Wash affected skin with soap and plenty of water.
- Eye Contact** : If contact with dust/smoke/vapour/mist, rinse immediately with plenty of water for 15 minutes. If persist irritating, seek medical advice immediately.
- Ingestion** : If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

Avoid breathe in dust/smoke/vapour/mist.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5. Fire Fighting Measures

Extinguishing media

Suitable Fire Extinguishing Media : Carbon dioxide, dry chemical extinguishers, water spray alcohol-resistant foam.

Unsuitable Fire Extinguishing Media : None.

Special hazard arising from the substance or mixture : Hazardous combustion products may include carbon monoxide, chlorinated compoundse. The vapor is heavier than air, spreads along the ground and distant ignition is possible.

Combustion Products : Carbon monoxide, carbon dioxide, nitrogen oxides, and etc.

Advice for firefighters

Special fire fighting procedures : As soon as possible, remove the goods from fire to open place. For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, Standing on the windward, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Do NOT use straight streams of water.

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Protective Equipment : Wear suitable protective clothing, gloves, eye/face protection and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear

Section 6. Accidental Release Measures

Person precautions protective equipment and emergency procedures : Emergency response is unlikely unless in the form of dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this MSDS (see section 8). Fine turnings and small chips should be swept or vacuumed and placed into appropriate disposable containers. Keep fine dust or powder away from sources of ignition. Scrap should be reclaimed for recycling. Prevent materials from entering drains, sewers, or waterways.

Environment precautions : Prevent to enter sewage, soil, river and sea.

Methods and materials for containment and cleaning up : Use the cleansing scoop to collect into container with lid that it dry and clean. Ventilate and watering after clean. Do not flush away residues with water. Retain as contaminated waste. Remove contaminated soil and dispose of safely

Section 7. Handling and Storage

Precautions for safe handling : Operating personnel must train specially and follow close to the line of operating instruction.
Ensure good ventilation/exhaustion at the workplace. Minimize vapor/aerosol generation and accumulation.
Wear suitable protective clothing, gloves and eye/face protection.
Do not eat, drink or smoke in working areas. Wash skin thoroughly before breaks and after handling.
Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

Conditions for safe storage, including any incompatibilities : Store in cool, dry, ventilated place.
Keep container tightly closed in a cool, well-ventilated place.
Incompatibilities
Keep separate with the oxidizing agent.

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Avoid contacting with oxidizer and strong acid.

Keep the sample easy to be identified.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Tin: TWA - 2mg/m³ - USA. ACGIH Threshold Limit Values (TLV), USA. NIOSH Recommended Exposure Limits, USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants, PEL - 2mg/m³ - California permissible exposure limits for chemical contaminants (Title 8, Article 107);

Copper: TWA (Dusts and mists, as Cu) - 1mg/m³ - USA. ACGIH Threshold Limit Values (TLV), TWA (Fume) - 0.2mg/m³ - USA. ACGIH Threshold Limit Values (TLV), TWA - 1mg/m³ - USA. NIOSH Recommended Exposure Limits, USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants, TWA - 0.1mg/m³ - USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants, PEL - 0.1mg/m³ - California permissible exposure limits for chemical contaminants (Title 8, Article 107);

Silicon: TWA - 15mg/m³ - USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants, TWA - 5mg/m³ - USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants, USA. NIOSH Recommended Exposure Limits, TWA - 10mg/m³ - USA. NIOSH Recommended Exposure Limits, PEL - 10mg/m³ - California permissible exposure limits for chemical contaminants (Title 8, Article 107), PEL - 5mg/m³ - California permissible exposure limits for chemical contaminants (Title 8, Article 107);

Biological limit values : No data available.

Exposure controls

Monitoring Method : Not available data.

Appropriate engineering controls : Operations with potential for generating high concentrations of airborne particulates or fumes should be evaluated and controlled as necessary.

Personal protective equipment

Respiratory Protection : If the dust density exceed in the air, must wear mask, or self-contained breathing.

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Eye Protection : Wear suitable chemical safety goggles.
Body Protection : Wear work clothes.
Hands Protection : Wear suitable protective gloves.
Other Protection : No smoking, dining and drinking water in the workplace. Keep good habit of hygiene. Shower and change clothes after work.

Section 9. Physical and Chemical Properties

Appearance : Solid
Odor : No odor
Color : Black(Main)
Density : No data available.
Solubility : No data available.
Boiling point : No data available.
Flash point : No data available.
PH : No data available.
Relative density : No data available.
Viscosity : No data available.
Tensile strength : No data available
N/mm²

Section 10. Stability and Reactivity

Stability : Stable under normal temperature and pressure.
Distribution of Ban : Strong oxidizer, strong acid, strong base, sulphur compounds, halogens, carbon tetrachloride, chloride trifluoride.
Conditions to Avoid : Flame, heat, high temperature.
Hazardous : No data available.
Polymerization :
Hazardous : Carbon monoxide, nitrogen oxides, and etc.
Decomposition
Products

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Section 11. Toxicological Information

| | |
|---|---|
| Acute Toxicity | : Tin: LD50 Oral - Rat - male and female - > 2,000 mg/kg, LC50 Inhalation - Rat - male and female - 4 h - > 4.75 mg/L; Iron: LD50 Oral - Rat - 7,500 mg/kg; Silicon: LD50 Oral - Rat - 3,160 mg/kg; |
| Skin corrosion/irritation | : Tin: Skin – Rabbit – No skin irritation -4h; Copper: LD50 Intraperitoneal - Mouse - 3.5 mg/kg Iron: No skin irritation. |
| Serious eye damage/eye irritation | : Tin: Eyes – Rabbit – No eye irritation; Iron: Eyes – Rabbit – No eye irritation; Silicon: Eyes – Rabbit – Mild eye irritation. |
| Respiratory or skin sensitisation | : Did not cause sensitisation on laboratory animals.(Iron). |
| Germ cell mutagenicity | : No data available. |
| Carcinogenicity | : No data available. |
| Reproductive toxicity | : No data available. |
| Specific target organ toxicity-single exposure | : No data available. |
| Specific target organ toxicity-repeated exposure | : No data available. |
| Aspiration hazard | : No data available. |
| Additional information | : No data available. |

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Section 12. Ecological Information

- Eco-toxicity** : Toxicity to fish static test - Morone saxatilis - 13.6 mg/l - 96 h(Iron);
- Biodegradable** : No data available.
- Non-biodegradable** : No data available.
- Bioconcentration or biological accumulation** : No data available.
- Other harmful effects** : The product is non-biodegradable material. Directly abandoning in the environment may cause adverse effects.

Section 13. Disposal Considerations

- Waste disposal methods** : Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Dispose in accordance with federal, state, and local health and environmental regulations.
- Attention abandoned** : Packed into bucket and sealing, prevent solution flow inside the bucket.

Section 14. Transport Information

Maritime transport IMDG

- IMDG Class** : No data available
- UN-Number** : No applicable.
- Label** : No applicable.
- EMS-No.** : No applicable.
- Tank instructions** : No applicable.
- Proper shipping name** : Led par light

Land transport ADR/RID(cross-border)

- Hazard class** : No data available
- Classification code** : No applicable.

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UN-number : No applicable.

Label : No applicable.

Packing instruction : No applicable.

Proper shipping name : Led par light

Air transport ICAO-TI and IATA-DGR

ICAO-TI-II class : No data available

UN/ID Number : No applicable.

Label : No applicable.

Packing instruction : No applicable.

Proper shipping name : Led par light

Environmental hazards : No data available

Special precautions for user : Examine whether the package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer, acid and so on. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, do not stop over in the residential area and congested area. No slipping up in rail road. The sample is not regulated for transport of dangerous goods.

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

No data available.

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Section 15. Regulatory Information

NFPA Rating

Health, Fire, Reactivity : 0 0 0

SARA 311/312 Hazards

No data available.

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

See in section 3

Pennsylvania Right To Know

See in section 3

New Jersey Right To Know Components

See in section 3

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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Photograph of Sample



***** End of MSDS *****

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