



MSDS

Report No.: HLF22003656E

Report Date: Mar 31, 2022

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Material Safety Data Sheet (MSDS)

Samples Name: Point drilling glue

Model: E7 , B7000, T7000, E8000, T8000, T9000, T6000, WB7000, B6000, B8000, B9000, B7000, x-max

Item Number: /

Client Name: Shenzhen Wawes Electronic Technology Co. Ltd

Address: 45 Gangde Road, Baolong Street, Longgang District, Shenzhen

Post Code: /

Reviewed by:

Lab Senior Engineer

Authorized Signature:

Technology Manager

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FLION TESTING TECHNOLOGIES

Add: Gangzi Industrial Park, Furong Industrial Area, Xinqiao Village, Shajing Town, Bao'an District, Shenzhen City

Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: See Item 3

Manufacture: Shenzhen Wawes Electronic Technology Co. Ltd

Address: 45 Gangde Road, Baolong Street, Longgang District, Shenzhen

Contact Person:/

Tel:/

Fax: /

Email: /

Section 2 - Hazards Identification

Fatalness grade:

GHS hazard category:

Flammable liquid category 3

Skin corrosion / Stimulation category 2



Elephant diagrams :

Warning words: Warning

Risk description:

H226 Flammable liquids and vapours

H315 Causes skin stimulation

Precautions :

• **Preventive measures :**

- P210 Far from the heat source / spark / open flame / hot surface. Smoking is prohibited.
- P233 Keep the container closed.
- P240 Ground / equipotential connection between container and loading equipment.
- P241 Use explosion-proof electrical / ventilation / lighting / equipment.
- P242 Only tools that do not spark can be used.
- P243 Take measures to prevent electrostatic discharge.
- P280 Wear protective gloves / protective clothing / protective eye mask / protective mask.

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— P264 Clean it thoroughly after the operation.

- **Accident response :**

— P303+P361+P353 If the skin (or hair) is stained: remove all the stained clothes immediately. Wash the skin / shower with water.

— P370+P378 Fire: extinguish fire with fire extinguisher.

— P302+P352 If skin stains: wash with water.

— P321 For specific treatment (see) on this label.

— P332+P313 In case of skin irritation: seek medical treatment / medical treatment.

— P362+P364 Remove the stained clothes and wash before reuse

- **Secure storage :**

— P403+P235 Store in well-ventilated places. Keep low temperature.

- **Waste disposal :**

— P501 Disposal of internal contents / containers according to local regulations

Invasion route:.. Skin contact, Eyes contact, Inhalation, Ingestion

Health hazards:.. Cause skin irritation.

Environment hazards:.. No known significant effects or critical hazards

Burn & burst danger: This product is flammable

Section 3 –Composition/Information on Ingredient

Pure

Admixture ☒

Composition:

Chemical Name	Chemical formula	Molecular weight	Composition (in% by weight)	CAS No.	EC No.
Ethyl isovalerate	C ₇ H ₁₄ O ₂	130	25	108-64-5	203-602-3
Methyl isobutyl ketone peroxide(with type A thinner)	C ₁₂ H ₂₆ O ₆	266	50	37206-20-5	253-396-4
Biphenyl rubber	--	--	25	--	--

Section 4 - First Aid Measures

Skin touch: Remove contaminated clothes and rinse the skin with plenty of water.

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Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.

Ingestion: Drink enough warm water and seek medical treatment.

Section 5 - Fire Fighting Measures Danger

Characteristic: Flammable. Its vapor is mixed with the air to form an explosive mixture. Burning produces a toxic carbon monoxide gas. In hot fire sites, hot containers are in danger of breaking and exploding.

Hazardous combustion products: The air in the combustion will emit a lot of decomposition products, contains a lot of toxic and harmful gases and soot, there will be a large number of benzene substances and a large amount of carbon (in the form of black smoke)

Fire-Fighting method & media: Fire personnel must wear a filtered gas mask (full mask) or isolation respirator, wear systemic fire prevention clothing to extinguish the fire in the upper wind. Move the container from the fire to the open wherever possible. Spray water keeps the fire container cool until the end of the fire extinguishing, foam, dry powder, carbon dioxide

Section 6 –Accidental Release Measures

Protective measures, protective equipment and emergency disposal procedures for the operators:

Eliminate all ignition sources. The warning zone shall be delimited according to the affected area of liquid flow and vapor diffusion, and the irrelevant personnel shall be evacuated from the side wind and upper wind direction to the safe area. It is recommended that emergency treatment personnel wear positive pressure self-supply respirator, anti-static clothing and rubber oil-resistant gloves. All equipment used during the work shall be grounded. No contact or crossing of leaks. Cut off the leakage source as much as possible. Prevent leaks from entering water bodies, sewers, basement, or confined space. Small leakage: Absorbed with sand soil or other non-combustible materials. Collect absorbent materials using clean spark-free tools. Mass leakage: build embankment or pit shelter. Cover with foam to reduce evaporation. Spray spray can reduce evaporation, but can not reduce the flammable ability of leakage in the confined space. Transfer with explosion-proof pump to tank truck or special collector to avoid environmental pollution. Prevent leaks from entering sewers, surface water, and groundwater.

Section 7 - Handling and Storage

Handling:

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Operators shall be trained in training and strictly observe operating procedures.
Operation and disposal shall be conducted in places with local ventilation or comprehensive ventilation facilities.
Avoid contact between eye and skin and avoid inhaling inhalation.
See Part 8 for individual protection measures.
Far from the fire and heat source, the workplace smoking is strictly prohibited.
Use an explosion-proof type of ventilation system and equipment.
If canning is required, flow rate shall be controlled and grounding device to prevent static accumulation.
Avoid contact with prohibited ands such as oxidants (see part 10).
Light unloading when handling to prevent damage to packaging and containers.
The emptied containers may remain harmful.
Wash your hands after use and prohibit eating in the workplace.
Provide the corresponding variety and quantity of fire fighting equipment and leakage emergency treatment equipment

Storage:

Store in a cool, ventilated warehouse.
The library temperature should not exceed 37 °C.
It shall be stored separately from oxidants and edible chemicals and avoid mixing (see Part 10 for prohibited products).
Keep the container sealed.
Stay away from the fire, the heat source.
Lightprotection equipment must be installed in the warehouse.
The exhaust system shall be equipped with a grounding device to remove static electricity.
Explosion-proof type lighting and ventilation setting are adopted.
The use of equipment and tools easy to produce sparks are prohibited. The storage area shall be provided with leakage emergency treatment equipment and suitable storage materials.

Section 8 - Exposure Controls, Personal Protection

Maximum admissible concentration: No standard yet..

Monitoring Method: /

Engineering Control:

It is recommended to be separated from other work sites.
Closed operation to prevent leakage.
Strengthen ventilation.
Set up the automatic alarm device and the accident ventilation facilities.

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Set up emergency evacuation channels and necessary diarrhea risk areas.

Set up a red area warning line, warning sign and warning instructions in Chinese, and set up a communication alarm system.

Provide safe shower and eye washing equipment.

Personal protective equipment:

Respiratory system protection: wear filter gas mask (half mask). A portable respirator should be worn for emergency rescue or evacuation.

Hand protection: wear rubber and oil-resistant gloves.

Eye protection: wear chemical safety protection eyes.

Skin and body protection: Wear antipoisons to penetrate your overalls.

Section 9 - Physical and Chemical Properties

Appearance: Liquid

Color: Transparency

Odor: No smell

Density: /

Boiling Point: 110-120°C

Melting Point: /

Flashpoint: No data

Vapour pressure: No data.

Solubility in water: Microsoluble in water.

Partition coefficient (n-octanol / water): No data.

Viscosity: Not applicable

PH Value: No data

Permission of solvent inhalation: No data.

Solubility: Microsoluble in water, can be mixed and dissolved in alcohols, ether, benzene

Ignition temperature: /

Section 10 - Stability and Reactivity

Stability: Storage and use at normal ambient temperature, this product is stable.

Dangerous reaction: Strong reaction with the oxidant

Conditions to avoid contact: Electrostatic discharge, heat, damp, etc.

Forbidden products: Strong oxidant, strong acid, strong alkali

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Hazardous decomposition product: No information.

Section 11 - Toxicological Information

Acute Toxicity: No data.

Sub-acute and Chronic Toxicity: No data.

Irritation: No data.

Sensitization: No data.

Mutagenicity: No data.

Carcinogenicity: No data.

Others: / .

Section 12 - Ecological Information

Eco-toxicity: No known significant effects or critical hazards.

Biodegradable: No applicable.

Non-biodegradable: No applicable.

Bioconcentration or biological accumulation: No applicable.

Other harmful effects: No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Waste chemicals:

Recycling it as much as possible.

If it cannot be recycled, incineration.

This product shall not be abandoned by discharge into the sewer.

Pollution packaging:

Return the containers to the manufacturer or dispose of them under national and local regulations.

Waste considerations:

Refer to relevant national and local regulations prior to waste disposal. See Part 8 for safety precautions for disposal personnel.

Section 14 - Transport Information

Number of dangerous goods: 33599

UN Number: UN1993

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Packaging Mark: No data.

Packaging Method: No data.

Transport Attentions: Before transportation, the packaging container should be checked for complete and sealed, and ensure that the container does not leak, collapse, fall and damage during transportation. It is strictly prohibited to mix and with oxidants and acids. Transport ship must be thoroughly cleaned and disinfected, otherwise other items shall not be shipped. Prevent exposure, rain, and high temperature during transportation. Halovers should be kept away from the fire and heat source. During shipping, the installation position shall be far away from the bedroom, kitchen, and isolated from the engine room, power supply, fire source and other parts. Highway transportation should drive according to the prescribed route, do not stay in residential areas and densely populated areas. Slip slip shall be prohibited during railway transport.

Section 15 - Regulatory Information

Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No.1272/2008 Classification, Labeling and Packaging of Substances and Mixtures.

The International Maritime Dangerous Goods (IMDG) Code.

Section 16 - Additional 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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Note:

- Photo is included

Photograph of Sample



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