

NO.WH23080030

## Material Safety Data Sheet

Name of Chemical Security Fog Generator

Applicant Sichuan Verinuo Intelligent Technology Co., LTD

化学工业合成材料老化质量监督检验中心

The Quality Supervision and Inspection Center of Synthetic  
Material Ageing of Chemical Industry



## Statement

- 1、 This report is issued based on standards such as the "Manual of Tests and Standards", "Model Regulations", "Code for Classification and Labeling of Chemicals" (GB 30000 series standards), "Catalogue of Hazardous Chemicals", and the items and transportation information provided by the principal (shipper or agent).
- 2、 The test report of this certification is responsible only for the sample provided by the applicant. The applicant should undertake the law responsibility that result from providing untruth sample and untruth information.
- 3、 The test report will be effective only after it is signed by the Appraiser, Organizer and Checker, Technique Controller, and stamped by our company.
- 4、 The test report is in valid when anything of the following happens - illegal transfer, reproduction, embezzlement, imposture, modification or tampering in any media form.
- 5、 The test report takes no account of the state and operate or variations.
- 6、 The unrepeatable test shall not be retested. The client shall give up the right of dissent.
- 7、 The test report issued is only responsible for the samples and does not express any opinions upon the lot from which the samples were drawn. The test ingcenter shall have no legal responsibility and liability for any direct and indirect loss, damage or expense arising from the use of the analysis result.
- 8、 The test ingcenter is supposed to assure objectivity and equity of the test and keep the client' s commercial information ,technique document ,and analysis report secret.
- 9、 The data and results in the reports without CMA identification, as well as the data and results are not in the scope of the laboratory
- 10、 The certification is only valid in one year subscribed on it.

TEL: 020-32373129

E-MAIL: gzlaohuasuo@163.com

Post-CODE: 510665

Address: NO. 396. Chepi West Road. Tangxia. Tianhe District. Guangzhou. Guangdong. China

## **Section 1 Chemicals and Enterprise Identification**

Product Name: Security Fog Generator

Model: HAM-FL、HAM-FH

Manufacturer: Sichuan Verinuo Intelligent Technology Co., LTD

Address: 1JintaiRoad,Meishan High-tech Industrial Park, Meishan City, Sichuan Province, China

Emergency Telephone: 028-60105537

Effective date: August 4, 2023

## **Section 2 HAZARDS IDENTIFICATION**

Classification of the substance or mixture

GHS Hazardous to the aquatic environment- acutehazard,category3

Classification: Hazardous to the aquatic environment- chronichazard,category4

GHS Label elements, including precautionary statements

Pictogram(s):No pictogram isused.

Signal Word: No signal word isused.

HazardStatement:H402:Harmful to aquatic environment.

H413:Maybe harmful to aquatic environment with long-termhazards.

Precautionary statement(s)

PreventionprecautionaryP273: Avoid release to the environment

statements:

Response Precautionary

Statements :None.

Storage Precautionary None.

Statements:

Disposal Precautionary P501:Dispose of contents and container in accordance with local/regional/national /international regulations

Statements:

2.3Description of any hazards not otherwise classified

None. See section11 for more detailed information on health effects and symptoms.

Note: the GHS classification is come from(Identification and Classification Report for Hazardous Characteristics of Chemical) and Chinese MSDS report.

## **SECTION 3 INFORMATION ON INGREDIENTS**

Pure ( )

Mixture (  )

Ingredients	CAS No.	Amount(%w/w)
Potassium chlorate	3811-04-9	1.8
Magnesium hydroxide	1309-42-8	49
Kaolin	1332-58-7	9.2
Sucrose	57-50-1	40

#### **SECTION 4 FIRST-AID MEASURES**

Description of first aid measures:

General advice: Show this material safety data sheet to the doctor in attendance.

Eye Contact: Flush eyes with plenty of water for several minutes, occasionally lifting the upper and lower eye lids. If eye irritation continues, contact a doctor.

Skin Contact: Wash off with soap and plenty of water. If skin irritation continues, contact a doctor.

Inhalation: If necessary, Remove to fresh air and keep a rest in a position comfortable for breathing.

Ingestion: Wash out mouth with water and drink appropriate amount of water. Seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 and section 11.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

#### **Section 5 FIRE FIGHTING MEASURES**

Extinguishing media

Suitable extinguishing media: Water spray, Dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Over heat may produce decomposition products: Carbon oxides, Nitrogen oxides, etc.

Advice for firefighters

Evacuate personnel to safe areas. In any fire, Wear self-contained breathing apparatus and full protective gear for firefighting.

Further information

Avoid contaminated firefighting water releasing the environment. Suppress (knock

down)gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet.

See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel.

Keep in suitable, closed containers for disposal. For disposal see section 13.

### **SECTION 7 HANDLE AND STORAGE**

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Keep away from overhead and flame. Protect from static.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

Do not eat, drink or smoke at the workplace.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from food stuffs. Do not store together with strong oxidizing agent. Keep away from fire and heat.

### **SECTION 8 EXPOSURE CONTROL/PPR**

China MAC (mg/m<sup>3</sup>): Not specified

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Exposure Limits: Not established.

Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust is formed. Provide safe shower and eye wash fountain.

Personal protective equipment:

Respiratory Protection: For nuisance exposures use type P95(US) or type P1 (EUEN143) particle respirator. For higher level protection use type OV/AG/P99(US) or type ABEK-P2 (EUEN143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Eyes Protection: Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Body Protection: Use suitable chemical protection worksuit. Take off contaminated clothing and wash before reuse.

Hands Protection: Suggest wear suitable chemical protective gloves to avoid skin exposure.

Other Protections: Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

## **SECTION 9 PHYSICAL/CHEMICAL PROPERTIES**

Appearance	Blocky solid
Color	White
Odor	Weak odor
pH	Not available.
Meltingpoint/freezingpoint	Not available.
Initialboilingpointandboilingrange	Not available.
Flashpoint	Not available.
Evaporationrate	Not applicable asnotaliquid.
Flammability	Not flammable.
Upperexplosivelimit%(V/V)	Not available.
Lowerexplosivelimit%(V/V)	Not available.
Vaporpressure	Not available.

Vapordensity	Not available.
Relativedensity(water=1)	Not available.
Solubility(ies)	Not available.
Partitioncoefficient:n-octanol/water	Not available.
Auto-ignitiontemperature	Not available.
Decompositiontemperature	Not available.
Viscosity	Not available.

## **SECTION 10 STABILITY AND REACTIVITY**

Stability :Stable under normal storage temperature and pressure.

Conditions to Avoid: Overheat.

Incompatible materials: Strong oxidizing agents.

Hazardous Decomposition Products: Other decomposition products- no data available. In the event of fire:seesection5.

Possibility of hazardous reactions:None hazardous reactions known under normal condition.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

Acute Toxicity: No data available.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation: Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitization: No sensitizing effects known.

Germ Cell Mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity: None of the components of this product is listed as a carcinogen by IARC,NTP,US OSHA.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity-Based on available data, the classification criteria are not met.

Single Exposure(Globally Harmonized System):

Specific Target Organ Toxicity-Based on available data, the classification criteria are not met.

Repeated Exposure(Globally Harmonized System):

Aspiration Hazard:Based on available data,the classification criteria are not met.

Potential Health Effects:

Inhalation: Long-term inhalation dust or vapors may cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Maybe harmful if ingested.

## **SECTION 12 ECOLOGICAL INFORMATION**

Toxicity

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vP vB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Harmful to aquatic environment. Maybe harmful to aquatic environment with long-term hazards. Avoid release to the environment.

## **SECTION 13 DISPOSAL CONSIDERATION**

Waste treatment methods

Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Contaminated packaging may contain residues of harmful ingredients. Dispose according to local regulation.

## **SECTION 14 TRANSPORT INFORMATION**

ADR/RID Information

ADR-UN Number: Not regulated for transport

ADR-Class: Not regulated for transport

ADR-Shipping Name: Not regulated for transport

ADR Packing Group: Not regulated for transport

IATA/ICAO Information

The product is not subject to IATA DGR.



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IATA-UN Number:Not regulated for transport  
IATA-Class:Not regulated for transport  
IATA-Shipping Name:Not regulated for transport  
IATA-Label:None  
IATA-Packing Group:Not regulated for transport  
IATA-S.P.:None  
IATA-ERG: None  
IMO/IMDG Information  
The product is not subject to IMO/IMDG Code.  
IMDG-Marine Pollutant:No  
IMDG-UN Number:Notregulated for transport  
IMDG-Class:Not regulated for transport  
IMDG-Shipping Name:Not regulated for transport  
IMDG-Packing group:Not regulated for transport  
IMDG-Storage Category:Not regulated for transport

### SECTION 15 REGULATORY INFORMATION

International Regulations

Safety,health and environmental regulations/legislation specific for the substance or mixture

No information available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

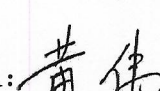
### SECTION 16 OTHER INFORMATION

填表部门：化学工业合成材料老化质量监督检验中心

Form filling department: The Quality Supervision and Inspection Center of Synthetic Material Ageing of Chemical Industry

部门批准人:   
Technique Controller:

部门审核人:   
Checker:

部门填写人:   
Apprasier:

Modify the description: -----

Form filling time: 2023.08.04

Remarks (Additional Notes): The above information is provided by the client

