

Material Safety Data Sheet

Product Name: : Single-component joint filler

Applicant: : Jiangsu Baide Energy-saving Building Materials Co., Ltd

Address: : No. 37 Standard Factory Building, District Street, Hailing District, Taizhou City, Jiangsu Province, China

Signed by Shanghai ICTS Group

Written by: **Monica Fan**



Date: 15th October. 2025

Material Safety Data Sheet (MSDS)**Part 1 –Identification of the substance and of the company/undertaking****1.1. Product identifier****Identification on the label**

/Trade name:	Single-component joint filler
Common name:	Cementitious grout
Type:	CG-01
Trade mark:	Ba Dai
UFI:	No information

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

Recommended use:	Used for filling gaps in soft stone
Restricted use:	Only for professionals to operate

1.3. Supplier's details

Supplier(Manufacturer):	Jiangsu Baide Energy-saving Building Materials Co., Ltd
Address:	No. 37 Standard Factory Building, District Street, Hailing District, Taizhou City, Jiangsu Province, China
Zip code:	225300
Contact Person:	Yong Wang
Telephone:	15751162112

1.4 Emergency telephone Number:

Contact Person:	Fei Ding
Telephone:	18952613058

Part 2 –Hazards Identification**2.1 Classification of the substance or mixture:**

GHS classification:	This product is not a hazardous substance or mixture.
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2.2 Label elements:

Hazard Pictograms:	None.
Signal Word(S):	None.

Precautionary statement:

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Waste disposal:

This product and container shall be disposed in accordance with local, regional, national and international regulations.

2.3 Other hazards:

VPvB substance: Not applicable.

PBT substance: Not applicable.

Endocrine disturbance characteristics: Endocrine disturbance characteristics: the product has no endocrine disturbance characteristics.

Part 3 - Composition/information on ingredients
3.1 substance
3.2 mixture

Name	CAS	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)	Content
Silicate cement	12168-58-4	-	30%-50%
Stone	14808-60-7	-	20%-40%
Calcium carbonate	471-34-1	-	10%-20%
Polycarboxylate-based water reducer	68441-33-8	-	1%-5%
Hydroxypropyl methylcellulose	9004-65-3	-	0.2%-0.5%

Additional information: please refer to section 16 for the wording of the listed hazard statement.

Part 4 –First aid measures
4.1 Description of first aid measures:
In case of skin contact: Rinse with water.

In case of eyes contact: Flush eyes with large amounts of water for 15 minutes and seek medical attention.

In case of ingestion: If you feel unwell, please call the electrolytic poison center or doctor.

Do not induce vomiting.

In case of inhalation: Move to fresh air.

4.2 The most important symptoms and effects, both acute and chronic

No data is available.

4.3 Signs of need for immediate medical treatment and special treatment

Part 5 - Fire-Fighting measures

- 5.1 Suitable fire extinguishers:** Use fire extinguishing agents suitable for extinguishing surrounding fires.
- 5.2 Specific hazards arising from the substance or mixture:** No information.
- 5.3 Special protective equipment for firefighters:** Fire fighting shall be carried out from the windward side.
Respiratory protection and other appropriate protective equipment.

Part 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.

- 6.1. Personal precautions, protective equipment and emergency procedures** Use in a well-ventilated area to prevent dust dispersion. Wash hands promptly after construction.
- 6.2. Environmental precautions** Prevent its discharge into the environment. Avoid entering the drainage system.
- 6.3. Methods and material for containment and cleaning up** Collect dust, put it into a sealed bag, and dispose of it in accordance with local regulations.
- 6.4 Refer to other sections:** For information on safe operation, refer to section 7.
For information on personal protective equipment, see Section 8.
See section 13 for disposal information.

Part 7 - Handling and storage

- 7.1 Handling:** Equip with personal protective equipment. Ensure sufficient ventilation
Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation.
- 7.2 Storage:** Store in a dry, well-ventilated, light-shielded and sealed environment.

Part 8 - Exposure control/personal protection

8.1 Occupational exposure limits:

Name	C.A.S. NO.	Source	Control parameters
Stone	14808-60-7	China	TWA: 0.7 mg/m ³ TWA: 0.3 mg/m ³ TWA: 1 mg/m ³ TWA: 0.5 mg/m ³ TWA: 0.2 mg/m ³ STEL: 1.4 mg/m ³ STEL: 0.6

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			mg/m ³ STEL: 2 mg/m ³ STEL: 1 mg/m ³ STEL: 0.4 mg/m ³
		Britain	STEL: 0.3 mg/m ³ 15 min TWA: 0.1 mg/m ³ 8 hr
		ACGIH TLV	TWA: 0.025 mg/m ³
		OSHA PEL	(Vacated) TWA: 0.1 mg/m ³ TWA: 50 μg/m ³
		NIOSH IDLH	IDLH: 50 mg/m ³ TWA: 0.05 mg/m ³
Calcium carbonate	471-34-1	NIOSH IDLH	TWA: 5 mg/m ³ TWA: 10 mg/m ³

8.2 Engineering controls: Set local exhaust ventilation device. When storing or transporting this product, please place the emergency eyewash and shower.

8.3 Individual protection measures, such as personal protective equipment:

Eye protection: Wear adequate goggles.

Glasses with side protection.

Respiratory system protection: In case of emergency (for example, if the substance is accidentally released and exceeds the occupational exposure limit), respiratory protective equipment must be worn. Consider the maximum wear time. Respiratory system protection: particulate filter P2, color code is white. The concentration of the insulation device should be higher than the service limit of the filter device, and the oxygen concentration should be lower than 17% of the volume, or it should be used under unclear circumstances.

Body protection: Wear appropriate protective clothing or appropriate chemical protective clothing according to the risk.

Hand protection: Select hand protection according to other used substances.

General hygiene measures: Do not eat, drink or smoke when using this product.

Wash thoroughly after treatment.

Part 9 - Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Powder.

Color: Grey.

Odor: No obvious odor.

Odor threshold: Not applicable.

Molecular weight: Not applicable.

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Molecular formula:	Not applicable.
Molar mass:	Not applicable.
PH:	11-13.
Density:	About 1.8-2.2g/cm ³ .
Melting point/range (°C):	> 1500.
Boiling point (°C):	Not applicable.
Solidification point:	Not applicable.
Flash point(Closed cup, °C):	Not applicable.
Auto-ignition temperature:	Not applicable.
Ignition temperature:	Not applicable.
Ignition point:	Not applicable.
Flammability:	Not applicable.
Upper/lower flammability or explosion limit:	Not applicable.
Decomposition temperature:	Not applicable.
Relative density (Water=1) :	1.8-2.2.
Relative density (Air=1) :	Not applicable.
Volume density:	Not applicable.
Solubility:	Insoluble in water, hardens upon contact with water.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Volatilization rate:	Not applicable.
Viscosity:	Not applicable.
Solid content:	Not applicable.
VOC content:	< 1g/L.

Part 10 - Stability and reactivity

10.1 Stability:	Stable under normal conditions.
10.2 Reaction:	It will not happen under normal circumstances.
10.3 Conditions to be avoided:	Incompatible products.
10.4 Incompatibility:	Strong oxidants.
10.5 Possibility of dangerous reactions:	It will not occur during normal processing.

Part 11 –Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

No known significant effects or critical hazards.

Calcium carbonate:

LD50 Oral - Rat -6450 mg/kg

Hydroxypropyl methylcellulose:

LD50 Oral - Rat ->2000 mg/kg

Remarks: (External MSDS)

Skin irritation or corrosion:

No known significant effects or critical hazards.

Calcium carbonate:

Skin - Rabbit

Result: No skin irritation

(OECD Testing Guideline 404)

Eye irritation or corrosion:

No known significant effects or critical hazards.

Calcium carbonate:

Skin - Rabbit

Result: No eye irritation

(OECD Testing Guideline 405)

Sensitization:

No known significant effects or critical hazards.

Calcium carbonate:

Testing method: Local lymph node test

Species: Mouse

Result: Non allergenic

(OECD Testing Guideline 429)

Germ cell mutagenicity:

No known significant effects or critical hazards.

Calcium carbonate:

Test method: Bacterial recovery mutation test

Species: In vitro

Result: Negative

(OECD Testing Guideline 471)

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Carcinogenicity:	No known significant effects or critical hazards.
Reproductive toxicity:	No known significant effects or critical hazards.
Specific target organ system toxicity - single exposure:	No known significant effects or critical hazards.
Specific target organ system toxicity - repeated exposure:	No known significant effects or critical hazards.
Aspiration hazard:	No known significant effects or critical hazards.
11.2 Other information:	Endocrine disturbance characteristics: The product has no endocrine disturbance characteristics.

Part 12 –Ecological information

12.1 Acute toxicity:	Calcium carbonate: Fish toxicity - Freshwater fish LC50>56 g/L/96h Hydroxypropyl methylcellulose: Toxicity to fish LC50- Fish ->100 mg/l -96 h Remarks: (External MSDS)
12.2 Persistence and degradability:	No data available.
12.3 Bioaccumulative potential:	No data available.
12.4 Mobility in soil:	No data available.
12.5 PBT and vPvB assessment results:	
PBT:	No data available.
vPvB:	No data available.
12.6 Endocrine disrupting properties :	No data available.
12.7 Other adverse effects:	No data available.

Part 13–Disposal considerations

13.1 Waste treatment methods	Please refer to the requirements of relevant laws and regulations of your country or region before disposal.
13.2 Packaging:	Please refer to the requirements of relevant laws and regulations of your country or region before disposal.

Part 14 - Transport information

14.1 UN Number:	Non hazardous chemicals.
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ADR, IMDG, IATA

14.2 UN proper shipping name: Non hazardous chemicals.

ADR, IMDG, IATA

14.3 Transport hazard class(es): Non hazardous chemicals.

ADR, IMDG, IATA

Secondary risk: Non hazardous chemicals.

14.4 Packing group

Non hazardous chemicals.

ADR, IMDG, IATA

14.5 Environmental hazard: No information.

14.6 Transportation Notes: No information.

14.7 Bulk transportation No information.

according to Annex II of Marpol

and IBC specifications:

Part 15 –Regulation information

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

This safety data sheet complies with the requirements of Regulation (EC) No 1272/2008[EU-GHS/CLP]

GHS Labelling Elements: Classification and labelling are carried out according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

15.2 Chemical safety assessment

For this mixture, no chemical safety assessment has been carried out.

Part 16 –Other information

MSDS Tabulation Date: 15th October. 2025

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

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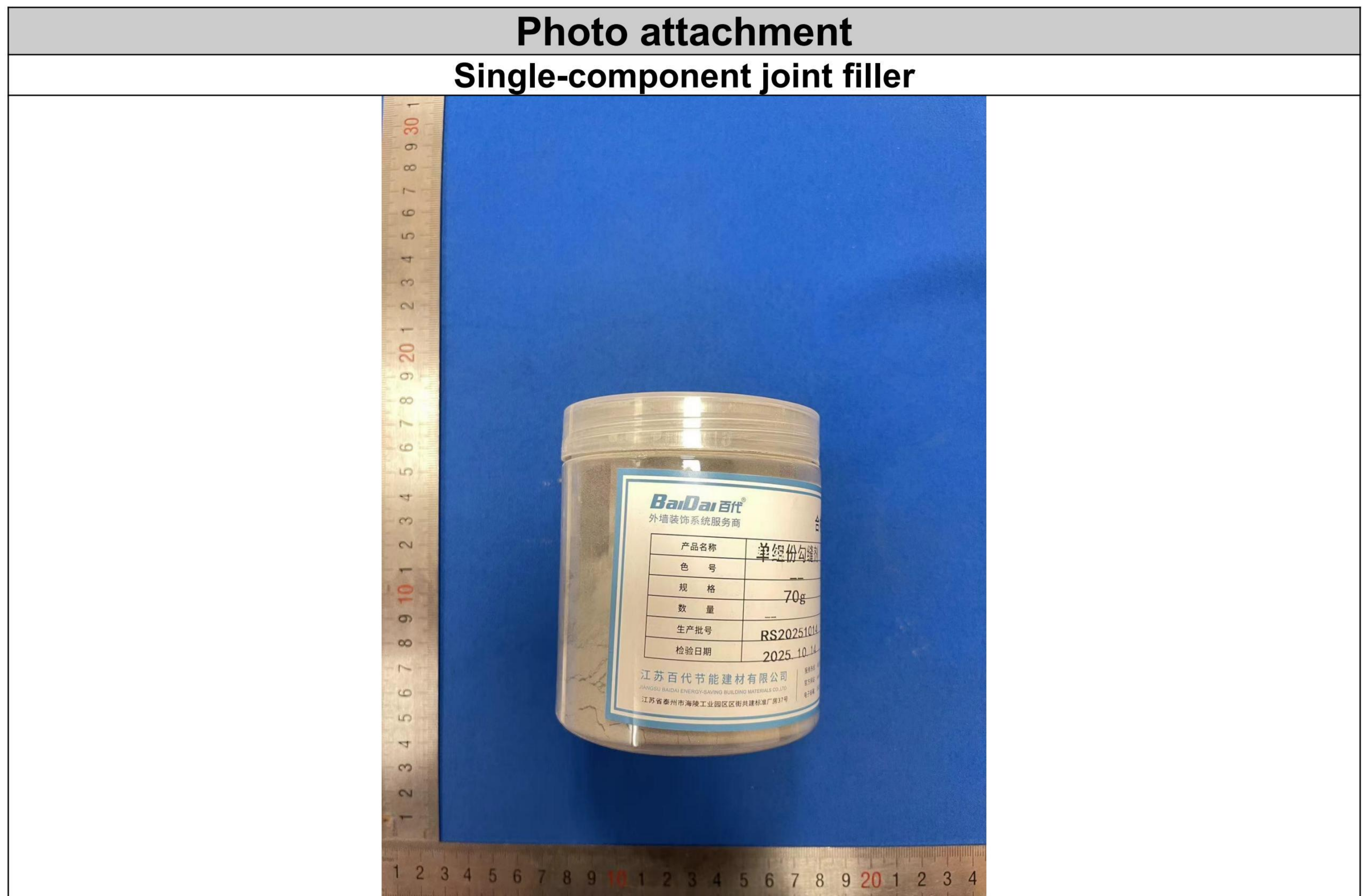
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This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.



END OF REPORT.