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SAFETY DATA SHEET

Product Name: Brand: Tajima Model No. : PLC2-B
(Also packaged with CR202B-P)

Revision Date: May11, 2020

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Approver: Zhangxiaojin



Shanghai Research Institute of Chemical Industry Testing Centre



MIROKU Corp.

SAFETY DATA SHEET

Brand: **Tajima** **Model No.:** PLC2-B (Also packaged with CR202B-P)

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Brand: **Tajima** Model No.: PLC2-B (Also packaged with CR202B-P)
Company: MIROKU Corp.
Address: 449 Daiba, Mishima-shi, Shizuoka-ken 411-0803, Japan
Email: mita@miroku.co.jp
Fax: +81-55-984-0363
Emergency Phone: +81-55-984-0369
SDS Number: 2618040097
SDS Date: May11,2020

SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:
Not classified.

Health Hazards:

Germ cell mutagenicity (Category 2)
Carcinogenicity (Category 1A)
Specific target organ toxicity - single exposure (Category 3) (Respiratory Irritation)
Specific target organ toxicity - Repeated exposure (Category 1) (Respiratory organ, immune system, kidney, Lung)

Environmental Hazards:

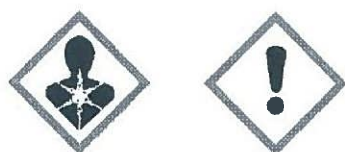
Classification not possible

The hazards not mentioned are not applicable or no data available.

GHS Labelling:

Pictogram:



**Signal Word:**

Danger

Hazard Statements:

Suspected of causing genetic defects.

May cause cancer.

May cause respiratory irritation.

Causes damage to organs through prolonged or exposure: Respiratory organ, immune system, kidney, Lung.

Prevention Precautionary Statements:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Do not breathe dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary Statements:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Storage Precautionary Statements:

Store in a well-ventilated place.

Keep container tightly closed. Store locked up.

Disposal Precautionary Statements:

Dispose of contents/container in accordance with local / regional / national / International regulation.

SECTION3 INFORMATION ON INGREDIENTS

Product name: Brand: **Tajima** Model No.: PLC2-B (Also packaged with CR202B-P)

Ingredient	Concentration	CAS No.	EC No.
Calcium carbonate	29.3%	471-34-1	207-439-9
Silicon dioxide (Crystalline quartz)	30.0%	14808-60-7	238-878-4
Aluminum oxide	10.7%	1344-28-1	215-691-6
Ultramarine Blue	30%	57455-37-5	/

SECTION4 FIRST-AID MEASURES**Skin Exposure:**

In case of contact, take off contaminated cloth immediately, wash skin with soap and copious amounts of water. If necessary, get medical attention.

Eye Exposure:

In case of contact, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If necessary, get medical attention.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

Most important symptoms and effects, both acute and delayed:

No data available.

Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

May decompose upon combustion or in high temperatures to generate Carbon oxides, Calcium oxide, Silicon dioxide, Aluminum oxide and sulfur dioxide.

Advice for firefighters:

Firemen should wear protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. Cool all affected containers with flooding quantities of water.

SECTION6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove ignition sources.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Precautions for safe handling:

Wear appropriate protective clothing and gloves. Avoid dust formation. Avoid inhalation. Avoid contact with eyes, skin and clothing. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents and strong acids. Wash hands and face thoroughly after handling. No smoking at working site. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents and strong acids.

SECTION8 EXPOSURE CONTROL/PPE**Control Parameters:**

No data available.

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Government approved respirator if needed.

Eye: Wear chemical safety goggles.

Clothing: Wear protective clothing.

Hand: Wear protective gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Blue powder

Odor: Weak odor

Melting Point/°C: >350°C

pH Value: 9.0 (25°C, 50.0g/L)

Solubility: Slightly soluble in water

SECTION10 STABILITY AND REACTIVITY**Reactivity:**

No data available.

Chemical stability:

Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Contact with acids may liberate hydrogen sulfide.

Conditions to avoid:

No data available.

Incompatible materials:

Strong oxidizing agents and strong acids.

Hazardous Decomposition Products:

Carbon oxides, Calcium oxide, Silicon dioxide, Aluminum oxide and sulfur dioxide.

SECTION11 TOXICOLOGICAL INFORMATION**Acute toxicity:**

Calcium carbonate:

Rat Oral LD₅₀: 6450mg/kg

Skin corrosion/irritation:

No data available.

Serious eye damage/irritation:

No data available.

Respiratory or skin sensitization:

No data available.

Germ Cell Mutagenicity:

Suspected of causing genetic defects.

Carcinogenicity:

May cause cancer.

Reproductive toxicity:

No data available.

Specific target organ toxicity - single exposure:

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure:

Causes damage to organs through prolonged or exposure: Respiratory organ, immune system, kidney, Lung.

Aspiration hazard:

No data available.

SECTION12 ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

No data available.

Other adverse effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).

After contents are completely removed, dispose of its container in accordance with local/regional/national/international regulation.

SECTION14 TRANSPORT INFORMATION

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Transport: This substance is considered to be non-hazardous for air transport.

IMO: Non-Hazardous for Transport: This substance is considered to be non-hazardous for sea transport.

SECTION15 REGULATORY INFORMATION

Regulation (EC) No. 1272/2008 and its amendments:

Germ cell mutagenicity (Category 2)

Carcinogenicity (Category 1A)

Specific target organ toxicity - single exposure (Category 3) (Respiratory Irritation)

Specific target organ toxicity - Repeated exposure (Category 1) (Respiratory organ, immune system, kidney, Lung)

American regulation:

HCS Classification : Toxic material, Carcinogen, Target organ effects (Silicon dioxide (Crystalline quartz))

Osha Hazards: Target organ effects (Aluminum oxide)

TSCA 8(a) IUR: Silicon dioxide (Crystalline quartz) - Partial exemption,

United States inventory (TSCA 8b): Ingredients of this product are listed or exempted.

TSCA (Toxic Substance Control Act): Ingredients of this product are listed on the TSCA Inventory. SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Silicon dioxide (Crystalline quartz)

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Crystalline silica (Quartz): Immediate (acute) health hazard, Delayed (chronic) health hazard; Chronic Health Hazard (Aluminum oxide)

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

California Prop. 65: This product contains chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm (Silicon dioxide (Crystalline quartz)).

Canadian regulation:

WHMIS (Canada) : Silicon dioxide (Crystalline quartz) - Class D-2A: Material causing other toxic effects (Very toxic).

Canadian lists :

CEPA Toxic substances: Ingredients of this product are not listed.

Canadian ARET: Ingredients of this product are not listed.

Canadian NPRI: Ingredients of this product are not listed.

Alberta Designated Substances: Ingredients of this product are not listed.

Ontario Designated Substances: Ingredients of this product are not listed.

Quebec Designated Substances: Ingredients of this product are not listed.

CEPA DSL / CEPA NDSL : Ingredients of this product are listed or exempted.

SECTION 16 OTHER INFORMATION

Date:

May 11, 2020

Department:

Shanghai Research Institute of Chemical Industry Testing Centre

Tel (Fax) : 8621-52815377/52800971/52807275/52811034/52569800

Revision:

0

Based Standard:

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 6th revised edition

Other Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

