

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY

Product Name : Hassui Ceramic
 Product Type: Polysiloxane Type Paint
 Company Name : Tokunaga Furniture Factory

Issue Date: April.14,2014
 Revision Date: June.19,2018

2 . HAZARD IDENTIFICATION

Physicochemical hazard

Flammable liquids

Category 2

Health hazard

Acute toxicity (oral)

Not classified

Acute toxicity (dermal)

Not classified

Acute toxicity (inhalation: gas)

Not classified

Acute toxicity (inhalation: vapor)

Not classified

Acute toxicity (inhalation: dust, mist)

Not classified

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

Respiratory sensitization

Not classified

Skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Category 2

Reproductive toxicity, effects on or via lactation

Classification not possible

Specific target organ toxicity (single exposure)

Category 1

Specific target organ toxicity (repeated exposure)

Category 1

Aspiration hazard

Category 1

Environmental hazard

Hazardous to the aquatic environment(acute hazard)

Classification not possible

Hazardous to the aquatic environment(long-term hazard)

Classification not possible

Hazardous to the ozone

Classification not possible

Label element

Pictograms



Signal :

Danger

Hazard information

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

Suspected of damaging fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure Spleen,

Respiratory organs, Live

May be fatal if swallowed and enters airways

3 . COMPOSITION / INFORMATION ON INGREDIENTS

Specific of chemical material : Mixture

Hazards component

| Ingredient name | CAS NO | Content Weight% | EINECS NO |
|----------------------------|------------|-----------------|-----------|
| isoparaffinic hydro-carbon | 68333-81-3 | 6 0 ~ 7 0 % | - |
| isopropyl alcohol | 67-63-0 | 5 ~ 1 0 % | 200-661-7 |

4 . FIRST AID MEASURES

| | |
|--------------|---|
| Inhalation | *Inhale steam, gas, etc. , and if you feel sick, move to a fresh air place, rest in a position that is easy to breathe, Consult a physician |
| Skin contact | *Wipe off deposits quickly with cloth. *Wash thoroughly with plenty of water and soap or skin detergent. Do not use solvent / thinner. *If skin irritation occurs, present a MSDS and receive a doctor's diagnosis. |
| Eye contact | *Immediately remove all contaminated clothing *Rinse eyes and eyelids for 15 minutes or more with pure running water immediately. Consult a doctor as soon as possible. |
| Ingestion | *If swallow accidentally, keep a patient in a quiet place and consult a doctor immediately. * Care a patient not to swallow a vomit. |

5 . FIRE-FIGHTING MESURES

| | |
|---------------------|---|
| Extinguishing media | Carbon dioxide fire extinguisher, Foam fire extinguisher, Powder fire extinguisher, Dry sand |
| Extinction method | * Wear appropriate protective equipment (heat-resistant clothes and like). * Remove any inflammable things promptly from the circumference. **Use the adequate fire extinguisher. * Fight a fire from the windy side. * Cool off closed container exposed at high temperature with water mist. * Do not use water (stream of water from a hose, high pressure water) for fire extinguishing. |

6 . ACCIDENTAL RELEASE MEASURES

*Wear appropriate protective equipment. (Glove, protective mask, apron and goggles)
Collect spills in closed container and keep in safe place.
* Ensure to comply with the requirements of the authorities when disposing the contaminated clothes and equipment.
* Clear away all sources of ignition, heat, and inflammable materials immediately.
* Provide a suitable fire extinguisher for a precaution of a fire.
* Collect spills with the appropriate tools which are equipped to prevent sparks caused by impact and static electricity.
* Absorb spills with noncombustible materials such as dry sand and soil, and collect in closed containers. For extensive

spillage, prevent outflow with land elevation.

* Do not let spills to drains, rivers and sea. Special care must be taken for environmental protection

7 . HANDLING AND STRAGE

Handling

- * Handle carefully in a well ventilated place.
- * Keep container closed tightly.
- * No ignition and no spark. Do not handle a high temperature material in the outskirts.
- * Provide ground leads and an explosion-prevention for electrical equipment and installations.
- * Use adequate tools to prevent sparks.
- * Wear overall clothes and goggles to protect skin, membrane and eyes.
- * After handling product, wash a face and hands carefully, and do not bring contaminated protective equipment into a rest station or canteen.
- * Wear appropriate protective clothes and implements, and provide sufficient ventilation when working in a confined place.
- * Do not handle if allergies were acting up in past years.
- * Wear antistatic clothes and shoes.

Storage

- * Avoid direct sunlight.
- * Store in a well ventilated place.
- * Keep away from fire and a heat source

8 . EXPOUSURE CONTROLES AND PERSONAL PROTECTION

| Ingredient name | Exposure limit | ACGIH(TLV-TWA) |
|----------------------------|----------------|----------------|
| isoparaffinic hydro-carbon | – | – |
| isopropyl alcohol | 200ppm | 200ppm |

- Equipment requirement
- * Install the equipment of the explosion-prevention type.
 - * Install the exhaust to avoid pile up of a steam.
 - * Provide ground lead to equipment for transportation, loading/unloading, and stirring of a liquid.
 - * Handling place should be free from high temperature and the source of ignition.
 - * When working inside, provide a local ventilation to prevent an exposure to harmful circumstance and mist of coating material.
 - * When working in the confined tank, provide a ventilation to change air sufficiently in the entire tank.

Protection

Eye pr otection

- * Wear protective eyewear.

Skin protection

- * Wear the appropriate gloves, which are not permeable with the organic solvent or chemicals.
- * Wear cloths which do not expose skin directly. Preferably the cloths are not permeable with chemicals

Respirator y protection

- * Wear the gas mask for organic gas

Others protection

- * During working for electrostatic-coating, wear appropriate antistatic shoes

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---------------|--|
| : | Appearance | Liquid |
| | Odor | Solvent odor |
| | Colour | Colorless to slightly yellow transparent |
| | Boiling Point | 73°C |
| | Density | 0.75g/ml–0.85g/ml |
| | PH (Value) | Not applicable |

| | |
|---------------------------------|---------------------|
| Flash Point | -12°C (Closed type) |
| Ignition Point | Over 200°C |
| Explosion limits : (LEL,UEL) | 0.6 - 12.7 (Vol%) |
| Solubility | insoluble in water |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Stability | * Stable under normal condition. |
| Possibility of hazardous reactions | * No reaction is generated particularly. * No data available. |
| Conditions to avoid | * No data available |
| Other hazardous information | * There is a danger of explosion if burning in large quantities |

11. TOXICOLOGICAL INFORMATION

| Ingredient name | Oral toxicity (rat): | Dermal toxicity (rabbit): | Inhalation toxicity (rat): |
|----------------------------|----------------------|---------------------------|--------------------------------|
| isoparaffinic hydro-carbon | LD50 7g / kg or more | LD50 5g / kg or more | LC50 5mg / L or more (4 h) |
| isopropyl alcohol | LD50 3437 mg / kg | LD50 12870 mg / kg | LC50 72600 mg / m ³ |

12. ECOLOGICAL INFORMATION

*In case of leakage or disposal, there is a danger of affecting the environment, so handle with care.

*Especially deal with products and washing water so that they do not flow directly to the ground, rivers and drains.

| | |
|-----------------------------|-----------------------------|
| Ecotoxicity | do not have any information |
| Residuality / degradability | do not have any information |
| Ecological Accumulation | do not have any information |
| Mobility in soil | do not have any information |

13. DISPOSAL CONSIDERATION

| | |
|------------------------|--|
| Residual waste | <ul style="list-style-type: none"> * Waste such as paints, containers, etc. are contracted with a licensed waste disposer and processed. * Do not flush wastewater etc from vessels, equipment equipment, etc. to the ground or drains as they are. * Waste generated by wastewater treatment / incineration etc. shall be treated according to relevant laws and regulations. * When disposing of waste paints etc, we will contract with industrial waste disposal contractor who received approval contract and process. * Dispose empty containers after completely removing the contents |
| Contaminated packaging | Take a consignment contract with the licensed industrial waste disposal contractor and dispose of it |

14. TRANSPORT INFORMATION

Make sure there are no damage, corrode and leak on the product container. Products should be also prevented from falling, loosening or tumbling during transit. Packing, labelling and transport take place according to appropriate regulation.

- * UN number: 1263
- * UN class: Flammable liquids (class 3)
- * Packing group: III
- * Marine Pollutant: No
- * Emergency response guide number: 128

15. REGULATORY INFORMATION

- * Industrial Safety and Health Law Article 57-2 (ISHL) (Deliver of Document)
- * Enforcement Order of the Industrial Safety and Health Law: Annex 1-4 (Inflammable Substances)
- * Ordinance on Prevention of Organic Solvent Poisoning (Second-class)
- * Ship Safety Act: Flammable liquids (class 3)
- * Civil Aeronautics Act: Flammable liquids (class 3)
- * Offensive Odor Control Law: Special offensive odor substances

16. OTHER INFORMATION

Notice

This SDS is prepared based on the data obtained at the present moment. Information on hazards and hazards of the product and its evaluation are estimated from information on raw materials, which is not always sufficient. The data given here do not signify any warranty with regard to the product's properties.