

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Commercial Name: HIGH SENSITIVITY TC CATALYST (Platinum on Fused silica)

(Parts No. 630-00996)

General Use: Industrial Catalyst

Manufacturer's Name: SHINWA CHEMICAL INDUSTRIES, LTD.

Address: 50-2 Kagekatsu-cho, Fushimi-ku, Kyoto 612-8307 Japan

Emergency Phone: 81(75)621-2360

Emergency Fax: 81(75)602-2660

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram: None

Signal word: None

Hazard statement(s): None

Precautionary statement(s): None

Supplemental Hazard statements: None

Safety data sheet available on request.

Safety data sheet available on request for professional users.

Other hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Content (%)
Platinum	7440-06-4	1.0 %
Silicon dioxide	60676-86-0	99.0 %

4. FIRST AID MEASURES

Eye contact :

Immediately wash with a copious of clean water , and consult a doctor if necessary .

Skin contact :

Wash with running water .

Inhalation :

Inhale fresh air , and consult a doctor depending on the symptom .

Ingestion :

See a doctor depending on the symptom .

5. FIRE-FIGHTING MEASURES

Extinguishing Media :

Use powder , foam , carbon dioxide ,or water(spray) for combustible packing materials.

Extinction Method :

The material itself is incombustible , but the packing materials are combustible . Be sure therefore to store the material in a safe place .

6. ACCIDENTAL RELEASE MEASURES

Collect and discard as waste soil .

7. HANDLING AND STORAGE

Handling :

Be careful not to break the bags . Wear a protection gear for respiratory protection such as dust mask .

Storage :

It is kept to an airtight container or is kept in a container with a lid .

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Permissible concentration :

Threshold Limit Value-Time Weighted Average (TLV-TWA) 0.1mg/m3

Required equipment :

Use a ventilator to keep the permissible concentration ,if necessary .

Protective gear :

Wear a dust for respiratory protection . Use safety goggles ,gloves , and protective clothing .

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: The shape of transparent or opaque fiber with a diameter of 20 micrometers or less .

Odor: Odorless .

Stability : Stable(at room temperature) .

Boiling Point : Not Applicable

Melting Point : Not Applicable

Vapor Pressure: Not Applicable

Solubility in water: Insoluble

Volatility : Nonvolatile (at room temperature)

10. STABILITY AND REACTIVITY

Flammability : Non-flammable

Ignitability : Non-ignitable

Volatility : Non-volatile

Combustibility : Incombustible

Oxidizing activity : Not oxidizable

Stability and reactivity : Extremely stable

Auto-reactivity : No self-reactivity

Dust explosiveness : Be not form explosive dust .

11. TOXICOLOGICAL INFORMATIO

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard:no data available

Potential health effects

Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion : May be harmful if swallowed.

Skin : May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Signs and Symptoms of Exposure

Prolonged or repeated exposure can cause: , Damage to the lungs., Cough, chest pain, Difficulty in breathing, Gastrointestinal disturbance

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Degradation : None

Accumulation : None

Fish toxicity : None

13. DISPOSAL CONSIDERATION

Don't deal with it empty-handed . Be careful not to scatter or disperse the material . Bury under the ground .

14. TRANSPORT INFORMATION

IATA

Not Restricted.

DOT

Not a Hazardous Material for DOT shipping.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

Chemical Safety Assessment

No data available

16. OTHER INFORMATION

This data sheet was prepared assuming general handling , and each material should be properly handled depending on the actual conditions .

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and Shinwa shall not be held liable for any damageresulting from handling or from contact with the above material.