

Safety Data Sheet

Shanghai TIHO Molecular Sieve Co.,Ltd.

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Refrigerant Desiccant (Core Type)

Molecular Sieve : Solid CORES (made from Molecular Sieve by TIHO)

Section 1: Identification

Date Effective..... Feb. 1. 2019(latest revision)

Chemical Name/Synonyms.. Refrigerant Desiccant Molecular Sieves / Solid Core

Emergency Contact #'s...

Tel: +86-21-66010180

FAX: +86-21-66010082

Product or Trade Name... Cores (made from Molecular Sieves by TIHO)

NFPA Rating:

(estimated) Health: 1; Flammability: 0; Reactivity: 1

Section 2: Hazard Identification

Emergency Overview:

Eye, skin and respiratory tract irritant. Initial wetting may peat up to the boiling point of water. Flood with water to cool the material.

Appearance: Gray and / or pink beads

Flash Point: Not available

Target Organs: Lungs, eyes, skin

Potential Health Effects

Eye: May cause eye irritation with tearing and reddening.

Skin: May cause irritation. Product will get hot when it first absorbs water.

Ingestion: Product gets hot when it first adsorbs water, which may result in burns to moist body tissues if contact is prolonged.

Chronic: Repeated or prolonged inhalation may cause lung injury or cancer.

Section 3: Composition / Ingredients

Component Name	CAS #	Percent	EINECS/ELINCS
Cores / Made by TIHO	1318-02-1	100	215-283-8
*Synthetic	** Non-fibrous		

Section 4: First Aid Measures

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin: Wash with soap and copious amounts of water. If skin irritation persists, seek medical attention.

Ingestion: Drink at least two eight ounce glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.

Notes to Physician: This material is a desiccant and generates heat as it adsorbs water. The used product can contain material of a hazardous nature, so identify any adsorbed material. Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Information:

Non-combustible. However, used material may retain material of a hazardous nature, so the adsorbed material must be identified to the firefighters. Use self-contained breathing apparatus and dust impervious protective suit in case of respirable dust or fumes.

Extinguishing Media:

Non-combustible. Use extinguishing media suitable to the surrounding fire.

Section 6: Accidental Release Measures

General Information: See Section 8 for personal protection needed.

Spills/Leaks: Sweep up spilled product into appropriate container for disposal. If material has been in contact with a hydrocarbon material, do not use a vacuum. Avoid creating a dust. Never use spilled product. Dispose of spilled product in accordance with all federal, state and local regulations.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid dust formation. Provide electrical ground connection during loading and transfer operations to avoid static discharge.

Storage: Store in original container in cool, dry area.

Section 8: Exposure Controls and Personal Protection

Engineering Controls: Use mechanical ventilation or respiratory protection to prevent

inhalation of product dust.

Personal Protective Equipment

Eyes: Chemical safety goggles

Skin: Protective gloves

Clothing: Suitable clothing to prevent prolonged skin contact.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance: Gray and / or pink Beads

Odor: none or weak odor

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Evaporation Rate: Not applicable

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: Not available

Autoignition Temperature: Not available

Flash Point: Not available

Decomposition Temperature: Not available

Explosion Limits:

Lower: Not available

Upper: Not available

Solubility in water: Not determined

Specific Gravity/Density: Not determined

Molecular Formula: Not available

Molecular Weight: Not available

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Moisture

Incompatibility with Other Materials: Hydrocarbons, other materials having high heats of adsorptions such as olefins and HCl. The product can heat up to boiling when first wetted. Flood with water to cool the material.

Hazardous Decomposition of Products: No decomposition when used as directed. However adsorbed material may produce decomposition materials.

Hazardous Polymerization: Will not polymerize.

Section 11: Toxicological Information

The substance does not belong to toxic substances.

Section 12: Ecological Information

Exotoxicity: No data available

Environmental Fate: No data available

Aquatic: No data available

Atmospheric: No data available

Physical: No data available

Section 13: Disposal Considerations

RCRA P-Series: Not listed

RCRA U-Series: Not listed

This product in its fresh, unused form does not possess any hazardous waste. However, materials hazardous in nature come in contact with the product during normal usage, and may be retained on the product. These materials must be identified and disposed of in accordance with all federal, state and local regulations.

Section 14: Transport Information

US DOT Hazard Class:

Not hazardous from the standpoint of transportation.

IATA (for international shipments):

Not hazardous from the standpoint of transportation.

IMO INDG CODE:

Not hazardous from the standpoint of transportation.

Section 15: Regulatory Information

United States:

TSCA

All components of this product are listed on the TSCA Inventory List.

Health & Safety Reporting List

None of the components of this product are on the Health & Safety Reporting List.

Chemical Test Rules

None of the components of this product is under a Chemical Test Rule.

Section 12b:

None of the components of this product is listed under TSCA Section 12b.

TSCA Significant New Use Rule:

None of the components of this product has a Significant New Use Rule.

CERCLA Section 103:

None of the components of this product is listed under CERCLA Section 103.

SARA:

Section 302 (RQ)

None of the components of this product has an RQ.

Section 302 (TPQ)

None of the components of this product has a TPQ.

SARA Title III:

Section 313

None of the components of this product is listed under Section 313.

Clean Air Act:

None of the components of this product is listed under the Clean Air Act.

Clean Water Act:

None of the components of this product is listed under the Clean Water Act.

State (Individual states in the USA)

California Prop. 65: Silica, crystalline is listed.

Massachusetts: Amorphous silica, Aluminum oxide, Calcium oxide, Quartz

New Jersey: Amorphous silica, aluminum oxide, Calcium oxide, Quartz silica

Pennsylvania: Silica, Aluminum oxide, Calcium oxide, Quartz

European/International Regulations:

European Labeling in Accordance with EC Directives

No Dangerous Goods Label Required.

Canada

WHMIS:

This product has a WHMIS classification of D2A

DSL/NDSL List:

All components of this product are listed on the DSL List.

Section 16: Other Information

Users Responsibility: a bulletin such as this can not be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard and safety information contain herein should be passed on to your customers or employees, as the case may be. And it is the responsibility of the users to comply with all applicable federal, state and local laws and regulations.

Disclaimer of Liability:

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. However, all materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist

-- End of Material Safety Data Sheet--