Vinyl n-Octanoate (stabilized with MEHQ)

Revision number: 1

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SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: Vinyl n-Octanoate (stabilized with MEHQ)

Product code: C0896

Company: TCI (Shanghai) DEVELOPMENT CO., LTD.

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Revision number: 1

2. HAZARDS IDENTIFICATION

Classification of the GHS
PHYSICAL HAZARDS

Flammable liquids Category 4

HEALTH HAZARDS

Skin corrosion/irritation Category 3
ENVIRONMENTAL HAZARDS Not classified

GHS label elements

Pictograms or hazard symbols None Signal word Warning

Hazard statement Combustible liquid
Causes mild skin irritation

Precautionary statements

[Prevention] Keep away from flames and hot surfaces.

Wear protective gloves and eye/face protection.

[Response] If skin irritation occurs: Get medical advice/attention.

[Storage] Store in a well-ventilated place. Keep cool.

[Disposal] Dispose of contents/container through a waste management company authorized by

the local government

Other hazards which do not

result in classification

May cause polimerization.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Component(s): Vinyl n-Octanoate (stabilized with MEHQ)

Percent: >99.0%(GC) **CAS Number:** 818-44-0

Synonyms: n-Octanoic Acid Vinyl Ester (stabilized with MEHQ)

Chemical Formula: $C_{10}H_{18}O_2$

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical advice/attention if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention.

Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-

tight goggles.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing

Dry chemical, foam, carbon dioxide.

media:

Extinguishing media not to Water (It may scatter and spread fire.)

be used:

Specific hazards:

This substance may polimerize explosively when heated or involved in a fire.

Container may explode when heated. Combat fire from a sheltered position.

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing Specific methods:

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by

spraying with water. Eliminate all ignition sources if safe to do so.

Special protective

When extinguishing fire, be sure to wear personal protective equipment.

equipment for firefighters:

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled

around the leakage area by roping off, etc. **Environmental precautions:** Prevent product from entering drains.

Methods and materials for

containment and cleaning up:

Absorb spilled material in dry sand or inert absorbent before recovering it into a covered container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with

appropriate laws and regulations.

Prevention of secondary

hazards:

Remove all sources of ignition. Fire-extinguishing devices should be prepared in

case of a fire. Use spark-proof tools and explosion-proof equipment.

7. HANDLING AND STORAGE

Handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. **Technical measures:**

Prevent generation of vapor or mist. Keep away from flames and hot surfaces. Take measures to prevent the build up of electrostatic charge. Use explosion-proof

equipment. Wash hands and face thoroughly after handling.

Use a closed system, ventilation.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Storage

Storage conditions: Keep container tightly closed. Store in a cool, dark and well-ventilated place.

Store away from incompatible materials such as oxidizing agents.

Law is followed. Packaging material:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Install a closed system or local exhaust as possible so that workers should not be **Engineering controls:**

exposed directly. Also install safety shower and eye bath.

Personal protective equipment

Respiratory protection: Vapor respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires. **Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Liquid Form: clear

Color: Colorless - Almost colorless

Odor: No data available No data available pH:

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting point/freezing point: No data available **Boiling Point/Range:** 135 °C/13kPa

Flash Point: 75°C

Explosive limits

Lower: No data available Upper: No data available

Density: 0.88

Solubility: Soluble in : Methanol

10. STABILITY AND REACTIVITY

Stability: Polymerization may occur under the influences of heat, light or upon contact with

polymelization initiator such as peroxides etc.

Reactivity: No special reactivity has been reported.

Incompartible materials: oxidizing agents, strong acids
Hazardous Decomposition Carbon monoxide, Carbon dioxide

Products:

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: orl-rat LD50:7460 uL/kg

skn-rbt LD50:>10 mL/kg

Skin corrosion/irritation: skn-rbt 10 mg/24H open MLD

Serious eye No data available

damage/irritation:

Germ cell mutagenicity:

No data available

Carcinogenicity:

IARC = No data available
NTP = No data available
Reproductive toxicity: No data available
RTECS Number: RH0789000

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: No data available
Crustacea: No data available
Algae: No data available
Persistence / degradability: No data available
Bioaccumulative No data available

potential(BCF): Mobillity in soil

log Pow:No data availableSoil adsorption (Koc):No data availableHenry's LawNo data available

constant(PaM³/mol):

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations

UN-No: Not Listed

15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

16. OTHER INFORMATION

The reference company name of written contents

Company: TCI (Shanghai) DEVELOPMENT CO., LTD.

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