Product Name:TDR320

Material date: 2023/01/01

Review date: 2023/01/01

Material Safety Data Sheets

1. Chemicals and corporate identity

Product Name: THERMAL TRANSFER RIBBON TDR320

Company Name: Hangzhou Tiandi Digital Technology Co.

Address: No. 600 Kangxin Road, Qianjiang Economic Development Zone, Linping, Hangzhou

Phone: +86-571-86358922

Fax: +86-571-86358921

2. Ingredient Information

Chemical Name	CAS No.	Concentration (wt%)
Polyethylene Terephthalate	25038-59-9	67-73
Poly(ethylene)	9002-88-4	9-15
Polyacrylic acid	41686-44-6	7-13
Carbon Black	1333-86-4	1-7
Petroleum Resins	64742-16-1	1-7

3. Hazard Overview

Physical form: Base film and coating

Major health hazards: No significant effects

Physical Hazards: Dust-air mixtures are flammable and explosive

Potential health effects: This product is not harmful to people or the environment under normal conditions of use.

Inhalation: Short-term: Stimulating

Long-term: Stimulating

Skin contact: Short-term: Non-irritating

Long-term: No relevant information

Eye contact: short-term: stimulating

Long-term: No relevant information

Income: Short-term: No significant impact information

Long-term: No significant impact information

Carcinogenic status: OSHA: None

National Toxicology Program Agency: None

International Agency for Research on Cancer: None

4. Hazard(s) Identification

4.1 Emergency measures essentials

Inhalation: In case of danger, transfer the person to an uncontaminated area and perform artificial respiration.

If you are not breathing, seek immediate medical attention.

Skin contact: Wash with soap under water for at least 15 minutes, or take to hospital if necessary.

Contaminated clothing should be washed and dried before wearing.

Eye contact: Flush eyes with plenty of water for at least 15 minutes and seek immediate medical attention.

Ingestion : If swallowed in large quantities, seek medical attention.

4.2 The most important acute and chronic symptoms were extremely affected: no relevant details were available.

4.3 Symptoms requiring prompt medical management and special treatment: no relevant details are available.

5. Fire Fighting Measures

Fire and Explosion Hazard: Minor fire hazard. Dust-air mixture is flammable and

explosive.

Fire extinguishing agents: carbon dioxide, dry powder, foam, water.

Fire prevention: Remove the container from the fire if there is no danger, and avoid inhaling the by-products of fuel combustion and try to stand up high and upwind from the fire.

Ignition point: >482 degrees Fahrenheit (>250 degrees Celsius)

Specific hazards regarding firefighting measures: appropriate protective equipment and respiratory protection should be worn.

6. Emergency response to spills

Occupational type leaks: Collect the leak in an appropriate container, taking care to keep it away from sources of ignition.

6.1 Personal protective measures, protective equipment and emergency handling procedures

- Avoid contact with eyes
- Avoid contact with skin
- Ensure adequate ventilation
- Wear protective gloves/protective clothing/goggles/face shield.

6.2 Environmental protection measures

Do not discharge materials into the surrounding environment without government permission, such as into water or sewage systems, and notify the appropriate authorities.

6.3 Methods of sheltering and removing leaks

If the product is uncontaminated, it can be recycled and reused.

If the product cannot be recycled and reused, ask environmental regulatory agencies for acceptable disposal procedures.

7. Storage and Use

Storage: Store in original containers according to existing regulations and standard storage practices to avoid dust. Store incompatible substances separately.

Use: Avoid dust as much as possible when using.

Handling: Handle in a well-ventilated area. Throwing is prohibited.

8. Contact control and personal protection

- Stay away from food, beverages and feed
- Wash your hands before taking a break and after working
- Avoid direct contact with eyes, wear safety eyes or goggles if handling large amounts
- No special respiratory protection requirements

9. Physical and chemical properties

Physical state: Solid

Physical form: Base film and coating

Odor : Not available

Boiling point : Not available

Melting point: 75℃±3℃, flammable at high heat when exposed to open flame

Vapor pressure: Not available

Vapor Density: Not available

Specific gravity : Not available

Water solubility: Plastic film and ink are not easily soluble in water

pH: Not available

Volatility: Not available

Odor threshold: Not provided

Evaporation rate: Not provided

Coefficient water/oil distribution: Not available

10. Stability and reactivity

Stability: No decomposition when used in accordance with specifications

Reactivity: Exothermic reaction with strong oxidizing agent

Incompatible substances: strong oxidizers such as chlorates, bromates and nitrates

Hazardous polymerization reactions: No hazardous polymerization reactions

Mechanical sensitivity (blow): insensitive to mechanical shock

Conditions to be avoided: Do not expose above 300°C. Keep away from oxidizing agents to avoid exothermic reactions.

Hazardous decomposition/combustion products: carbon monoxide, carbon dioxide, oxides of sulfur, organic products of decomposition

Static hazards: Take precautions to prevent static electricity and avoid dust formation, and all metal parts of mixing and processing equipment must be grounded. Ensure that all equipment is grounded before starting transfer operations.

11. Toxicological information

Health effects: Acute toxicity: Insufficient data

Eye irritation: May irritate the eyes with tearing and blurred vision symptoms.

Skin irritation: No hazard

Subchronic toxicity: insufficient data

Chronic toxicity: insufficient data

12. Ecology Information

Ecotoxicity: No relevant information

Persistence and degradability: no relevant information

Potential bioaccumulation: no relevant information

Intra-soil mobility: no relevant information

Other side effects: no relevant information

13. Waste disposal

All treatments must follow government, local regulations.

14. Shipping Information

UN Dangerous Goods Number (UN No.)	
ADR/RID/ADN,IMDG/IATA	Not applicable
UN properly loaded ship name	
ADR/RID/ADN,IMDG/IATA	Not applicable
Transport hazard class	
ADR/RID/ADN,IMDG/IATA	
Level	Not applicable
Tags	Not Applicable
Packaging group	
ADR/RID/ADN, IMDG/IATA	Not applicable
Environmental Hazards	Not Applicable
Special precautions for users	Not applicable
MARPOL 73/78 (Marine Pollution Prevention Protocol for Ships) Annex 2 and Bulk	
Shipments according to IBC Code (International Barge Code)	Not applicable
UN "Standard Provisions"	Not applicable

15. Regulatory Information

No relevant information

16. Other Information

No relevant information

No content below