

Material safety data sheet (MSDS)

Revision Date: 2013/02/1

1. Chemical Product Marking and Company Date

Product Name: Fastness improving agent
Chemical Category: Special waterborne polyurethane
Molecular formula: Not available (copolymer)
CAS No.: None (copolymer)
CAS Name.: None (copolymer)
Synonyms: None

Company Date

English name: Kunshan Snor Auxiliary Chemical Co.,Ltd
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2. Main Component

Component: Special waterborne polyurethane
Damage: None (It didn't contain the harmful material which is effect textile export)

3. Damage Characteristics

Excessive exposure can cause acute effects

Ingestion: For gastrointestinal tract has stimulation

Skin: For skin has slight stimulation

Inhalation: Little volatilizes odor, has slight stimulation for respiratory tract

Eye: Damage to eyes if touch directly

Repeated exposure excessive will cause chronic effects

According to the current data, it is no evidence to reveal the similar material exist harmful effects.

Excessive exposure will cause other effects

According to the current data, it is no evidence to reveal the similar material exist harmful effects.

4. First Aid Measures

Ingestion: Flush mouths with water, give 1-2 cups of water to victim induce vomiting, get medical aid.

Inhalation: Remove to fresh air, if feeling ill or touch for a long time, Get medical aid

Skin: Washing with water

Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid

Suggestion to doctor: treat according to the symptom

5. Fire Fighting Measures

Extinguishing Media: Nonflammable

Not Applicable Fire Extinguishing Agent: None

Special Extinguishing Process: None

When extinguishing should wear protective equipment: in the seal place, should wear self-contained breathing apparatus.

Special Flame and Damage of Bomb: None

Fire/ Explosion Hazard: None

6. Accidental Release Measures

Individual Protection: Proper safety goggles

Rubber protective gloves

Leave if did not proper protective equipment

Leakage Handling Method: Large spills should be collection and utilization, a small amount of leakage, if local law allows, can be directly into the sewer

7. Handling and Storage

Occupational Health: Avoid Ingestion, Inhalation; do not touch skin and eyes. To comply with good industrial hygiene practices and regulations

Fire Prevention Measure: No special measure

Storage: Store in a cool, dry, well-ventilated area

Quarantine measures: No special measure

Storage condition : Store between -10°C and 40°C, well-ventilated and store in a tightly closed container if do not use

8. Exposure Controls, Personal Protection

Exposure Controls: No data

Personal Protect

Respiratory Protect: Do not need special protect at general condition, should wear respirator if the workplace is improper ventilation

Hand: Protective gloves

Eyes: Protective glasses

Others: Safety showers, eye equipment

9. Physical and Chemical Properties

Physical State: Liquid

Appearance: Slightly yellowish transparent liquid

Odor: a few

Molecular Weight: Not available (copolymer)

Ionicity: Cation

Density (25°C) : No data

Flash Point: Not applicable. (aq soln system)

Flammable Limit: Upper: Not available (aq soln system). Lower: Not available (aq soln system)

Solubility: Soluble in water

Freezing Point: No data

Melting Point760mmHg: No data

PH: 4.5±1

Viscosity: No data

10. Stability and Reactivity

Stability: Homeostasis

Polymerization Reaction: Polymerize with cation or electronegative persad

Avoid Exposure Material: Strong base, strong oxidant, cation or electronegative persad

Hazardous Decomposition Products: Will not release the damage material according to the

suggest use method

11. Toxicological Information

Oral, mouse (Severe) LD50: about 1500mg/kg

Skin Irritation (rabbit): Mild

Draize Test (rabbit): Moderate

Personal Ill-Effect: Repeated contact with skin, can cause allergies

Further Information: Acute toxicity is tested of similar products

12. Ecological Information

Persistence and Degradability: Easy biodegradation

Ecological Toxicity Data

Toxicity to Bacteria: No Data

Toxicity to Fishes (Sturgeon shorten touch) <35mg/L

Metal Content: Lower than Dye manufacturing industry ecology and toxicology association recommended limits

Further Information: Do not contain APEO material

13. Disposal Considerations

Disposal Considerations Method: According to hazardous wastes disposal standers

Disposal Considerations Notes: Should be duly handled, shall not be arbitrarily dismissed, prevent environmental pollution

14. Transport Information

Could not mix transport with food

Under carriage rules, not classified as dangerous goods

[(ADR/RID); IMDG; (ICAO/IATA)] Grand: Not restricted

UN No. [(ADR/RID) ; IMDG; (ICAO/IATA)]: Not restricted

Packing Group: No Data

Product Describe or Right Transport Name: Not restricted

15. Regulatory Information

According to rules:

This product has define and mark according to EU standard and treaty of dangerous goods.

Xi- Irritation

Damage describe (R-Phrases):

R36/38: Irritating to eyes and skin

R43: May cause sensitisation by skin contact

Security descriptor (S-Phrases):

S24: Avoid contact with skin

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of water and soap.

S37: Wear suitable gloves

16. Additional Information

The above information is done according to the current known information, Snoor Auxiliary Chemical Co., Ltd think MSDS sheet on the information contained in the publication is timeliness and reliability, However the Snoor Auxiliary Chemical Co., Ltd did not control the instruction content and purpose and the conditions of use, so recorded data and evaluation cannot be so perfect, in addition to the evaluation of dangerous and hazardous not sufficient, so please attention when using.

Matters need attention base on the product in the usual used as an object, as a result, users have an obligation to determine the technology and conditions of use chemicals safety by yourself