

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : TP-301

Supplier : Kuraray Co., Ltd., Chemicals and Medical Products Company ,

Isoprene Chemicals Division, SEPTON Marketing & Sales Department

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation : Substance

Chemical nature : Polymer

| Chemical name | Concentration | CAS No. |
|------------------------|---------------|-----------|
| Trans-1,4-polyisoprene | 98%< | 9003-31-0 |
| Antioxidant | 0.5% | - |
| Anti-blocking agent | 1% | - |

3. HAZARDS IDENTIFICATION

This product is not hazardous as defined by the U.S. Occupational Safety and Health Administration. (OSHA) under its Hazard Communication Standard (HCS), 29 CFR 1910.1200.

UN Class and UN Number : Non regulated commodity

Adverse Human Health Effects : Not available

Physical and Chemical Hazards: Not applicable

Environmental Effects : Not available

4. FIRST-AID MEASURES

Eye Contact :

Gently rinse the eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact :

Not ordinarily expected in contact at normal temperature. If contact with hot material, cool the burn area by flushing with large amounts of water and get medical treatment.

Inhalation :

If gas or dust generated in process is inhaled, remove person to flush air. If signs/symptoms continue, get medical attention.

Ingestion :

Rinse mouth with water and get medical advice. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Specific Hazards :

Not flammable but will burn. Toxic gases (carbon monoxide) may form when burned without sufficient oxygen.

Extinguishing Media :

Use water, fog, foam, dry chemical powder or CO₂.

Specific methods :

Keep personnel removed from and upwind of fire. Cool fire exposed containers with water.

Protections of fire-fighters :

Firefighters should wear proper protective equipment(helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus.

6. ADDITIONAL RELEASE MEASURES

Method for Cleaning up :

Normal procedures for clean-up. Use good housekeeping practices. Shovel and sweep up or use industrial vacuum cleaner. Put into containers for reclaiming or disposal.

Personal Precaution :

Wear appropriate respiratory protection and protective clothing as described in section 8.

7. HANDLING AND STORAGE

Handling :

Do not use near open flames. Avoid breathing vapors from heated materials. Adequate ventilation and/or engineering control must be employed in high temperature processing. If dust is created in processing, ground facilities to prevent static sparks and remove ignition sources.

Storage :

Store in a cool, dry, well ventilated location.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Comp. OSHA

ACGIH

No. PEL/TWA PEL/CEILING TVL/TWA

TLV/STEL Other

P None established

Respiratory Protection :

If engineering controls do not maintain their performance to a level that is adequate to

protect worker health, a NIOSH-approved respirator should be worn. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors and dusts.

Protective Clothing :

Safety glasses and protective clothing should be worn when product is heated in processing.

Additional Protective Measures :

Adequate ventilation and/or engineering controls are required when product is heated in processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|---------|-----------------------------|
| Boiling Point (deg. F) | : | None |
| Melting Point (deg. F) | : | 67°C |
| Flash Point | : | None |
| Flammable Limits/Percent Volume in Air | Lower : | None Higher : None |
| Specific Gravity (H ₂ O=1) | : | 0.96 |
| Solubility in Water | : | Insoluble |
| Vapor Pressure (mm Hg) | : | None |
| Vapor Density (Air=1) | : | None |
| Evaporation Rate (Butyl Acetate = 1) | : | None |
| Appearance and Odor | : | Milky white tablet, no odor |

10. STABILITY AND REACTIVITY

Stability :

This product is considered a stable material under normal and anticipated storage and handling conditions.

Conditions and Materials to Avoid :

Rainwater, the direct rays of the sun, open flame and etc.

Hazardous Decomposition Products :

Not available

11. TOXICOLOGICAL INFORMATION

| | | | | |
|-----|-----------------------------|-------------------------------|-----------------------------------|-----------|
| No. | Acute Oral LD ₅₀ | Acute Dermal LD ₅₀ | Acute Inhalation LC ₅₀ | Ames Test |
| P | Not Available | Not Available | Not Available | Negative |

12. ECOLOGICAL INFORMATION

All evidence indicates that large polymer molecules are not biologically active.

13. DISPOSAL CONSIDERATIONS

Waste Disposal :

All recovered material should be disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

14. TRANSPORT INFORMATIONS

Department of Transportation Classification : Not hazardous by D.O.T. regulations
DOT Proper Shipping Name : Not applicable
UN Classification Number : Non regulated commodity

15. REGULATORY INFORMATION

TSCA Inventory (USA) : 9003-31-0
DSL (Canada) : 9003-31-0
EINECS (EU) : Polymer Exempt (Monomer listed)
AICS (Australia) : 9003-31-0
ECL (Korea) : KE-23528
IECSC (China) : 9003-31-0
PICCS (Philippines) : 9003-31-0
ENCS (Japan) : 6-748

16. OTHER INFORMATION

All data presented here in is based on actual measurements performed by Kuraray Co., Ltd. All information contained herein is presented in good faith and without warranty.

For medical, healthcare and food contact applications, please contact us for specific recommendations. This product should not be used in any devices or materials intended for implantation in the human body.

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