

MATERIAL SAFETY DATA SHEET

| | |
|----------------|--|
| Manufacturer | Fuji Corporation |
| Address | 1-5, Gyokicho, Itami, Hyogo, 664-8615, Japan |
| Dept in charge | Quality control team |
| Contact person | Hironori Fujii |
| Phone | 81 72 772 1101 |
| Fax | 81 72 772 0706 |
| Issued on | October 10, 2012 |
| Revised | February 20, 2023 |
| Reference # | 0750 |

| | |
|-------------------------------|--|
| Product name | FUJILON 4000R9 |
| Summary of hazard | <p>GHS classification : Do not fall into any.</p> <p>PRTR N,N-Diethylethanamine <0.1% Class 1 Designated Chemical Substances (After April 1st , 2023) N,N-Diethylethanamine <0.1% Class 1 Designated Chemical Substances (No.277) N-methyl-2-pyrrolidone (NMP) <0.2% Class 1 Designated Chemical Substances (No.746)</p> |
| & toxicity | Other hazard & toxicity Contains reproductively toxic 1-methyl-2-pyrrolidone (NMP). |
| Materials | <p>Single or Mixture : Mixture</p> <p>Chemical name : Polyhexamethylene-Adipamide - Cas No. 32131-17-2 - CSCL (7)-382 Polyurethane resin - Cas No. Non-disclosure N-methyl-2-pyrrolidone (NMP) Content rate < 0.2% - Cas No. 872-50-4 - CSCL No. 5-113 N,N-Diethylethanamine Content rate < 0.1% - Cas No. 121-44-8 - CSCL No. 2-141 Catalyst, textile oil agent and other substances - Cas No. Non-disclosure</p> |
| First aid measures | <p>Eye contact : If fibers enter the eye, flush with lots of water. When eyes feel still uncomfortable or get inflamed, refer for medical attention.</p> <p>Skin contact : Wash with clean water and soap.</p> <p>Inhalation : Move the patient to rest in a clean air environment and obtain medical attention.</p> <p>Ingestion : Make the patient drink a large quantity of water to induce vomiting. Obtain medical attention.</p> |
| Fire fighting measures | <p>Extinguishing measures : Extinguish the fire just as done on common fire. Among the extinguishing media mentioned below, use the one appropriate to surrounding fire conditions. Toxic gases may be produced on burning and/or at high temperature. Keep respiratory protection during fire-extinguish. Keep personal removed from and</p> |

| | |
|--|---|
| | upwind of fire. |
| | Extinguishing : Water, carbon dioxide, bubble extinguisher, powder recommended. |
| Accidental release measures | Sweep up. Do not flow in river and/or public waterway. |
| Recommended preparation for handling & storage | <p>Handling : (1) To avoid inhalation of fibers and dusts and contact with eye, wear suitable personal protective equipment.</p> <p>(2) Since it may generate strong static electricity, (3) place the static eliminator in the required place to protect the human body.</p> <p>Storage : (1) Seal up and store in warehouse to avoid sunlight and rain.</p> <p>(2) Take care not to pile up too much in order for the product not to get out of shape.</p> |
| Exposure control/ Personal control | <p>Management measure : Not applicable for any class</p> <p>Allowable concentration N-methyl-2-pyrrolidone (NMP) Japan Society for Occupational Health <1ppm N,N-Diethylethanamine ACGIH <1ppm</p> <p>Personal safety equipment : Wear protective equipment such as dust respirator, safety goggle, safety glove, safety jacket and the etc..</p> |
| Physical and chemical properties | <p>Color : Unbleached color Odor : Nothing</p> <p>Melting point : 255 deg. C. Flash point : No data</p> <p>Ignition point : ≥ 400 deg. C Decomposition point : 350 to 400 deg. C</p> |
| Stability & Reactivity | <p>Explosion limit : Not available</p> <p>Autoreactive : Not available</p> <p>Stability : Stable at room temperature. Toxic gases may be produced on burning and/or at thermal decomposition.</p> |
| Toxicological information | <p>Acute toxicity N,N-Diethylethanamine (Oral) Section 4 (Transdermal) Section 3 (inhalation(vapor)) Section 3</p> <p>Skin corrosivity and skin irritation : Unknown</p> <p>Serious eye damage or eye irritation : Unknown</p> <p>Respiratory sensitization or skin sensitization : Unknown</p> <p>Reproductive cell mutagenic property : Unknown</p> <p>Carcinogenicity : Unknown</p> <p>Reproductive toxicity : Unknown</p> <p>Specific target organ toxicity / systemic toxicity – single exposure : Unknown</p> <p>Specific target organ toxicity / systemic toxicity – repetitive exposure : Unknown</p> |

| | |
|--|--|
| | Aspiration hazards : Unknown Others: : Unknown |
| Ecological information | Biodegradability : Unknown Persistent degradability: Unknown Bioaccumulation : Unknown |
| Disposal | Disposal in accordance with the local regulation on solid waste disposal. This product belongs to waste plastics. |
| Transportation | (1) Protect from physical damage not to break package. (2) Load steady not to fall down. (3) Avoid use of hooking not to break package. (4) Take care that shipment would not get wet or exposed to sunlight. |
| Regulatory information | PRTR: Class 1 Designated Chemical Substances (No.277) Class 1 Designated Chemical Substances (No.746) (After April 1st, 2023) EUROPE REACH This product contains $\leq 3.0\%$ of NMP listed in "SVHC candidate list of Substances of Very High Concern for authorization as of June 20, 2011. |
| Remarks <p>This material safety data sheet is based on generally available documents and data, subject to the ordinary handling in industrial usage. It is not necessarily perfect information on hazard and/or safety, and user is asked to please take enough care in handling the product by themselves.</p> <p>The cautions mentioned as above aim to mention the ordinary handling of the product, not to guarantee the security. Therefore, if the product mentioned in this sheet is handled by any special method, user is asked to take appropriate safety measure.</p> | |

Caution : Do not use this product for medical applications involving implantation in the human body and/or permanently direct contact with body fluids.