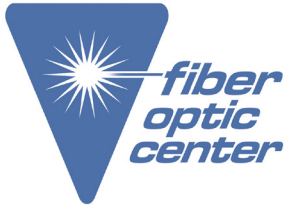


SAFETY DATA SHEET (SDS)



Manufacturer:
ÅngströmLink™
Product Name:
ÅngströmLink™ T-200 Optical Plastic - 25Kg
Manufacturer Part Number:
T-200-25KG

▶ [Click here for more details on the ÅngströmLink™ T-200 Optical Plastic - 25Kg](#)

UNITIKA U-Polymer T-200
Serial No. : UE-1-083

Prepared Date: Apr.21,2016
Revised Date: Aug.01,2019

SAFETY DATA SHEET

Section 1: Identification

Product name	UNITIKA U-Polymer T-200
Other means of identification	N/A
Recommended use	Molding materials
Restrictions on use	N/A
Manufacturer	UNITIKA LTD.
Address	Nihombashi Nichigin-dori Bldg., 4-6-7 Nihonbashi Hongoku-cho, Chuo-ku, Tokyo, 103-8321 Japan Osaka Center Bldg., 4-1-3 Kyutaro-machi, Chuo-ku, Osaka, 541-8566 Japan Nishiki Center Bldg., 3-2-7 Nishiki, Naka-ku, Nagoya, 460-0003 Japan
Department	Plastics Division, Engineering Plastics Sales Department Tokyo [Tel] +81-3-3246-7598 [Fax] +81-3-3246-7569 Osaka [Tel] +81-6-6281-5541 [Fax] +81-6-6281-5849 Nagoya [Tel] +81-52-971-3781 [Fax] +81-52-971-3786
Emergency contact point	Plastics Division, Plastics Quality Assurance Department Tel: +81-774- 81-2396

Section 2: Hazards Identification

GHS Classification	Not a hazardous substance or mixture.
GHS label elements	Not a hazardous substance or mixture.
Pictogram or symbol	N/A
Signal word	N/A
Hazard statement	N/A
Precautionary statement	N/A
Other hazards(HNOC)	N/A
Percentage of ingredient(s) with unknown toxicity	N/A

Section 3: Composition / Information on Ingredients

Substance or Mixture	Mixture		
Chemical name	Concentration	ENCS No.	CAS No.
Polyarylate	>95%	Non-disclosure	Non-disclosure
Additives	<5%	-	-

The specific chemical identity and exact percentage of composition has been withheld as a trade secret.

Section 4: First-aid Measures

If on skin	Wash thoroughly after handling. Get medical advice/attention in case of suffering from eczema. If in molten state, immediately cool in clean water. Do not force to remove the solidified molten material on the skin. Get medical advice/attention if any symptoms (e.g. burn) occur.
If in eyes	Immediately rinse well with water. Get medical advice/attention if any symptoms (e.g. irritation) persist. If in molten state, immediately cool in clean water for more than 15 minutes and rinse with water, get medical advice/attention.
If inhaled	If inhaled a volume of vapors or gases of the molten material, remove victim to fresh air and keep at rest. Get medical advice/attention if any symptoms persist.
If swallowed	If swallowed small amounts leave to excrete as a waste product. If swallowed large volume of this product by mistake, get medical advice/attention.
Most important symptoms/effects, acute and delayed.	N/A
Indication of immediate medical attention and special treatment needed, if necessary	N/A



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Section 5: Fire-fighting Measures

Suitable extinguishing media

Water, carbon dioxide, powder, foam, etc.

Unsuitable extinguishing media

N/A

Special hazards arising from the substance or mixture

Hazardous gases (e.g. carbon monoxide) may be released in case of fire.

Advice for firefighters

It is advisable to wear proper protective equipment (helmet with face shield, bunker coats, gloves and rubber boots), including self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions

In case of spill on the road or the floor, may have a slip.

Protective equipment and emergency procedures

Wear appropriate protective equipment.

Environmental precautions

Leakage might cause environmental pollution. Immediate and full recovery should be done if accidentally released.

Methods and material for containment and cleaning up

Immediately shovel and sweep up or use industrial vacuum cleaner, put into containers for disposal.
If in molten state, allow to cool and solidify before proceeding with disposal methods.

Section 7: Handling and Storage

Precautions for safe handling

In order to prevent spill of the product, care should be made so that breaking packaging/container will not occur.
Do not inhale generated gases when processing. Do not touch high-temperature resin.
Do not keep the product under high-temperature for a long time.
Dust emerged from cutting, grinding or other mechanical processing and powdered resin may cause dust explosion with static electricity or electrical sparks. Keep work places clean to avoid accumulation, ground facilities and remove ignition sources.

Conditions for safe storage

Ensure appropriate measures to prevent loading damage due to heavy load.
Keep away from ignition sources. Avoid the direct rays of sun and high temperature/humidity.

Section 8: Exposure Controls / Personal Protection

Control/ administrative exposure standards

Not established.

Threshold values (occupational exposure limits or biological exposure index)

Not established. The figures shown below can be used for reference.

Japan Association of Industrial Health	Class 3 Dust	TLV-TWA respirable	2 mg/m ³
		TLV-TWA total	8 mg/m ³
ACGIH	PNOS (Particles Not Otherwise Specified)	TLV-TWA respirable	3 mg/m ³
		TLV-TWA inhalable	10 mg/m ³

Engineering control

It is advisable to install exhaust ventilation needed when usual processing.

Protective equipment

Respiratory protection Dust respirator should be worn in operations that may cause dust.
In high gases/fumes concentration area, a chemical cartridge respirator

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Hand protection (for organic chemicals) should be worn.
Use adiabatic gloves in handling molten resins.
Eye protection Use protective goggles in operations that may cause dust.
Skin and body protection Wear clothes with long sleeves in handling molten resins.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Pellet
Odor	None
Odor threshold	N/A
pH	N/A
Softening point	250°C
Melting/freezing point	N/A
Boiling point, initial boiling point/ boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Vapor pressure	N/A
Vapor density	N/A
Specific gravity	ca. 1.1 ~ 1.2
Solubility	Insoluble in water. Soluble in specific solvents.
Partition coefficient: n-octanol/water (Log Pow/Kow)	N/A
Auto-ignition temperature	≥ 530°C
Decomposition temperature	N/A
Viscosity	N/A

Section 10: Stability and Reactivity

Reactivity	No reactivity under ordinary conditions of use and storage.
Chemical stability	Stable under ordinary conditions of use and storage.
Possibility of hazardous reactions	N/A
Conditions to avoid	Open fire, the direct rays of sun, high temperature/humidity
Incompatible materials	N/A
Hazardous decomposition products	Hazardous gases (e.g. carbon monoxide) may be produced by melting.

Section 11: Toxicological Information

Information on the likely routes of exposure	Skin contact, Eye contact, Inhalation, Ingestion
Symptoms related to the physical, chemical, and toxicological characteristics	N/A
Delayed and immediate effects and also chronic effects from short and long term exposure	N/A
Numerous measures of toxicity	N/A
Whether the hazardous chemical is listed by NTP, IARC, or OSHA as a carcinogen	N/A

Section 12: Ecological Information

Ecotoxicity	N/A
Persistence and degradability	N/A
Bioaccumulative potential	N/A
Mobility in soil	N/A
Hazardous to the ozone layer	N/A

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Section 13: Disposal Considerations

Product	Dispose in accordance with applicable international, national and local laws, rules, ordinances and statutes.
Contaminated packaging	Dispose containers after being emptied as thoroughly as possible.

Section 14: Transport Information

International transport information

UN number	Not Restricted
UN classification	Not Restricted
Marine pollutant	Not Restricted

Air transport (IATA/ICAO)

Not classified as a dangerous good under transport regulations.

Specific measures for safe transport

Ensure appropriate measures to prevent loading damage due to heavy load of packaging materials.
Concern about avoiding injury on the slippery floor when contents in the package scatter.

Section 15: Regulatory Information

Law concerning Pollutant Release and Transfer Register	N/A
Industrial Safety and Health Act	N/A
Poisonous and Deleterious Substances Control Law	N/A
Wastes Disposal and Public Cleansing Act	Industrial waste, waste plastics

Section 16: Other Information

Last Revised Date Aug.01,2019

Inquiry (same with emergency contact point)

UNITIKA LTD., Plastics Division, Plastics Quality Assurance Department
31-3, Uji-Hinojiri, Uji, Kyoto, 611-0021 Japan
Tel: +81-774- 81-2396 Fax: +81-774- 25-2357

Disclaimer

This SDS has been prepared according to the available information however, been no guarantee of safety of this product. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.



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