# MATERIAL SAFETY DATA SHEET

# 1. Chemical product & company identification

Chemical product name

:20/3-931 carbon-basis conductive fiber

Name of manufacturer/supplier:Kanebo Gohsen Ltd.,

Name of section

:Filament Technology Dept.

Address

:Umeda 1-2-2, Kita-ku, Osaka 530-0001, Japan

Phone number

:++81 (0)6-348-5274

Fax number

:++81 (0)6-348-5383

### 2. Composition/information on ingredients

Substance/mixture	Mixture	
Chemical name	Polycaprolactam amide	Carbon black
Synonyms	Nylon 6	None
CAS registry number	25038-54-4	1333-86-4
Ingredients and composition(wt%)	More than 96%	More than 3%
Chemical formula	[-OC(CH <sub>2</sub> ) <sub>5</sub> -NH-]n	С
UN class	No information	No information
UN No.	No information	No information

#### 3. Hazards identification

Hazard class

:No hazard classification.

Physical and chemical hazards

:None.

Adverse human health effects

:No information

Environmental effects

:No information

#### 4. First-aid measures

Eye contact

:Gently rinse with clean water. Consult physician if abnormality

wises.

Skin contact

:No harmful at normal temperature.

Inhalation

:Non toxic.

Ingestion

:Non toxic.

### 5. Fire-fighting measures

Extinguishing media : Water spray, foam, dry chemical powder and carbon dioxide.

Specific hazards with regard to fire-fighting measures :None (none toxic gas)

Accidental release measures

:Sweep up and remove.

## 7. Handling & storage

Handling

:Protect against physical damage and

avoid rough handling or dropping

Storage

:Store undercover at normal temperature and

humidity, keep dry.

### Exposure control/personal protection

Control parameters

:TLV Not applicable.

Engineering measures

:Non required.

Personal protective equipment

:Non required.

# 9. Physical and chemical properties

Appearance, physical state, form, color :Black colored filament

Odor

:None

Density

:Not available

**Boiling point** 

:None.

Melting point

:Not available.

Vapor pressure and its density

:None(Solid state)

Solubility in water

:Insoluble (except in strong alkali).

Solubility in organic solvents

:Insoluble in most solvent.

### 10. Physical hazards (stability & reactivity)

Flash point

:No information

Auto ignition temperature

:No information

Upper and lower explosion limit

:No information

Flammability

:Flammable.

Spontaneous combustibility

:None.

Reactivity with water

:None.

Oxidization

:None

Self Reactivity

:None

Stability & Reactivity

:This product is considered a stable material

under normal and anticipated storage and handling condition.

### 11. Toxicological information

Corrosive and irritant properties :None

Allergenic and sensitizing effects :None

Acute toxicity :Not available.

Sub-chronic toxicity :Not available.

Chronic toxicity :None

• Carcinogenic effects :Not available.

Mutagenic effects :Not available.

Effective on the reproductive system :No relevant information found.

Teratogenic effects :Not available.

# 12. Ecological information

Biodegradability :Not biodegradable.

Bio accumulation :Not available

Fish toxicity :Not available.

# 13. Disposal consideration

As for other organic polymers...

## 14. Transport information

 Before shipment confirm packaging is clean and undamaged. Precautions against impact, overturning, dropping or bursting. Protect from water damage and loadshiting during transport.

#### 15. Regulatory information

 Regulatory information with regard to this substance in your country or in your region should be examined by own responsibility. Confirmation of and compliance with local regulatory requirements in the country or region of use is the responsibility of the purchaser or user.

#### Other information

 To the best of our knowledge, the information contained here in is accurate. However, Kanebo Gohsen assumes no liability whatsoever for the accuracy or completeness of the information contained herein.

A./Lingso

Manager

Filament Technology Department