SAFETY DATA SHEET

(1) CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Chemival product name	Brown#21
Name of manufacturer	Tenma Factice Mfg. Co. LTD.
Name of section	Head office
Address	21-27, Furuichi-1-chome, Joto-ku, Osaka 536-0001, Japan
Telephone number	+81-6-6932-1332
Fax number	+81-6-6932-1333

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(2) Hazards identification

Class name og hazardrous chemicals for SDS in Japan.

GHS Classification	Not Classified

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(3) COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Compound	Substance
Common chemical name or general name	Sulfur factice
Synonym(S)	Vulcanized vegetable oils
Cas No.	68153-37-7
Content	100%
Notice through official file number	8-379
Chemical formula	Not identified
UN Class and UN No.	Not applicable

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(4) FIRST-AID MEASURES

After inhalation	Arrange medical examination and treatment as soon as possible.
After skin contact	Wash the affected area with soap water.
After eye contact	Gently rinse the affected eyes with clean water.
After swallowing	Induce vomiting, if person is conscious. Seek medical help.
A brief description of the most important symptoms and effects	This substance is considered to have the same risk or safety as crosslinked rubber (eraser, industrial supplies such as sheets and hoses) powder.

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(5) FIRE-FIGHTING MEASURES

Extinguishing media	Water, dry chemical powder, carbon dioxide,foam or dry sand.
Specific hazards with regard to fire-fighting	High concentrations of sulfur oxides (SOx), which cause anterior eye and airway damage to the human body, are generated.
Protection for firefighters	Surfur oxides will form upon combustion, and firefighters should wear protective equipment.

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(6) ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures	Wear protect clothes while the work.
Environmental precautions	Avoid entering the river or affecting to the environment.

Methods and materials for neutralization	Sweep up diffused spillage and place in empty container.

(7) HANDLING AND STORAGE

Handling	Handle similarly to the vulcanized rubber powder.
Storage	Store in a cool, dry location, and keep away from all sources of ignition or sunlight.

(8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection :	Wear appropriate respiratory protection.
Hand protection :	Wear appropriate protective gloves.
Eye protection :	Wear appropriate eye protection (e.g. A pair of goggles).
Skin and body protection :	Wear appropriate protective clothing and safety shoes.

(9) PHYSICAL AND CHEMICAL PROPERTIES

Physical state, form	Solid
Appearance	Powder-grain
Color	Brown
Odor	Characteristic odor
Melting point / Freezing point	Not applicable
Boiling point or initial boiling point	Not applicable
flammability	No data
Lower and upper explosion limit / flammability limit	Not applicable
Flashpoint	＞200℃
Auto-ignition temperature	＞300℃
Resolution temperature	＞300℃
pH	Not applicable
Kinetic viscosity	Not applicable
solubility	Insoluble (20℃)
n-octanol / water partition coefficient	Not applicable
Vapor pressure	Not applicable
Density	1.05±0.02(20℃/20℃)
Relative gas density	Not applicable
Particle characteristics	No data

(10) STABILITY AND REACTIVITY

Chemical stability	Stable in the air at the normal temperature. It is stable and poorly reactive under normal storage conditions, but slow color fading is observed when exposed to sunlight. In addition, decomposition may be observed when more than one year has passed since
Incompatible materials	Combustion produces sulfur oxides (SOx) that cause anterior eye and airway damage to the human body.
Conditions to avoid	Product quality may be affected under hot and humid conditions.
Hazardous decomposition products	No data

Possibility of hazardous reactions	No data

(11) TOXICOLOGICAL INFORMATION

Acute toxicity	It is considered non-toxic or very small.
Skin corrosive / irritation	Not available
Serious eyes damage /Eyes irritation	Not available
Respiratory organs sensitization	Not available
Original generative cell variation	Not available
Carcinogenicity	Not available
Reproduction toxicity	Not available
Specification target internal organs	Not available
Specification target internal organs	Not available
Aspiration hazard	Not available

(12) ECOLOGICAL INFORMATION

Ecotoxicity	No data
Persistent / degradable	It slowly spontaneously decomposes in the environment, and its product is considered to have no hazard.
Bioaccumulative	No data
Mobility in soil	No data
Hazardous to the ozone layer	Not available

(13) DISPOSAL CONSIDERATIONS

Residues	This combustible material may be burned in a chemical incinerator equipped with a scrubber of sulfur oxides. For large amounts of wasts, dispose to an authorized waste collection point.

(14) TRANSPORT INFORMATION

Keep away from all sources of ignition or sunlight.
Follow all regulations in your country.

(15) REGULATORY INFORMATION

Follow all regulations in your country.

(16) OTHER INFORMATION

This information herein is given in good faith.
But it relates to only this specific material, and no warranty, express or implied, is made.