

# Material Safety Data Sheet

9022

# MATERIAL SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : TUFTONE KYHB-2  
 SUPPLIER : Kao Corporation  
 ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
 DIVISION : Chemical Division  
 TELEPHONE NUMBER : 81-3-5630-7700  
 FAX NUMBER : 81-3-5630-7889  
 EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700

[2.COMPOSITION/INFORMATION ON INGREDIENTS]

SUBSTANCE OR PREPARATION : Preparation

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Black toner	100	

INGREDIENTS CONTRIBUTING TO : None  
 THE HAZARD(JAPAN)

[3.HAZARDS IDENTIFICATION]

MOST IMPORTANT HAZARDS :  
 ADVERSE HUMAN HEALTH EFFECTS : To the best of our investigation, no special hazards have to be mentioned.  
 ENVIRONMENTAL EFFECTS : To the best of our investigation, no information about adverse effect in the environment available.  
 PHYSICAL AND CHEMICAL HAZARDS : May cause risk of dust explosion.  
 CLASS NAME FOR MSDS IN JAPAN : Not applicable

[4.FIRST-AID MEASURES]

IN CASE OF INHALATION : Remove person to fresh air. If necessary seek medical attention.  
 IN CASE OF SKIN CONTACT : Wash material off the skin with plenty of water and soap. If necessary seek medical attention.  
 IN CASE OF EYE CONTACT : Immediately hold eyelids open and flush with a stream of water for at least 15 minutes. If necessary seek medical attention.  
 IN CASE OF INGESTION : Seek medical attention. Never give anything by mouth to an unconscious person. If possible, rinse out mouth and give one or two glasses of water or milk to drink.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA : Water spray, powder

- NOT SUITABLE EXTINGUISHING MEDIA : No information available
- SPECIFIC HAZARDS : May produce irritating or toxic gases in a fire.
- SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
- PROTECTION OF FIREFIGHTERS : Use goggles in combination with dust mask, and another protections as appropriate to situation.

[6. ACCIDENTAL RELEASE MEASURES]

- PERSONAL PRECAUTIONS : Use mask, goggles and protective gloves.  
Large spills : Remove person to safety.  
Ensure adequate ventilation.  
Treat from upwind position.
- ENVIRONMENTAL PRECAUTIONS : Do not discharge into the drains, surface waters or ground water directly.
- METHODS FOR CLEANING UP : Sweep or vacuum spills.  
Prevent dispersion of dust.
- PREVENTION OF SECONDARY HAZARDS : No information available

[7. HANDLING AND STORAGE]

- HANDLING
  - TECHNICAL MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
  - PRECAUTIONS : Avoid inhalation of fine dust .
  - SAFE HANDLING ADVICE : Handle in well-ventilated areas.  
Use safety glasses and protective gloves as appropriate to situation.  
Wash hands and face and gargle after handling.  
This material may cause risk of dust explosion.  
Prevent generation of dust.
- STORAGE
  - STORAGE CONDITIONS : Keep container tightly closed.  
Protect from sun. Store in a dark and well-ventilated place.
  - PACKAGING MATERIALS : No information available

[8. EXPOSURE CONTROLS/PERSONAL PROTECTION]

- ENGINEERING MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Use local exhaust ventilation, in case of generation of dust.
- LIMIT VALUES :
  - .ACGIH(TLV) : TWA 3.5mg/m3, (2002 year edition)  
Carbon black  
TWA 2mg/m3, (2002 year edition)  
Paraffin wax fume
  - OSHA(PEL) : PEL 3.5mg/m3, (2002 year edition)  
Carbon black

PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : Use dust mask, as appropriate to situation.

HAND PROTECTION : Rubber gloves  
EYE PROTECTION : Safety glasses with side shield(Safety goggles or Face shield)  
SKIN AND BODY PROTECTION : Full-body suit  
HYGIENE MEASURES : No information available

**[9. PHYSICAL AND CHEMICAL PROPERTIES]**

## PHYSICAL STATES

FORM : Pulverizing powder  
COLOUR : Black  
ODOUR : Odourless  
pH : No data available

## SPECIFIC TEMPERATURES/TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : No data available  
MELTING POINT : No data available  
DECOMPOSITION TEMPERATURE : No data available  
FLASH POINT : No data available  
AUTOIGNITION TEMPERATURE : No data available

## EXPLOSION PROPERTIES

EXPLOSION : UPPER LIMIT : No data available LOWER LIMIT : No data available  
VAPOUR PRESSURE : No data available  
VAPOUR DENSITY : No data available  
DENSITY : 1.2 g/mL ( 20 °C ) ( 68 °F )

## SOLUBILITY

WATER SOLUBILITY : Insoluble  
SOLVENT SOLUBILITY : Partially soluble in toluene, chloroform and tetrahydrofuran.  
OCTANOL/WATER PARTITION COEFFICIENT : No data available  
OTHER DATA : No data available

**[10. STABILITY AND REACTIVITY]**

STABILITY : Stable in general.  
HAZARDOUS REACTIONS : Stable.  
CONDITIONS TO AVOID : No information available  
MATERIALS TO AVOID : No information available  
HAZARDOUS DECOMPOSITION PRODUCTS : No information available  
OTHERS : No information available

**[11.TOXICOLOGICAL INFORMATION]**

ACUTE TOXICITY	: No information available
LOCAL EFFECTS	
CORROSIVITY	: No information available
SKIN IRRITATION	: No information available
EYE IRRITATION	: No information available
SENSITIZATION	: No information available
CHRONIC TOXICITY/LONG TERM TOXICITY	: No information available
CARCINOGENICITY	: No information available
IARC	: Group2B,(2002 year edition) Carbon black Group3,(2002 year edition) Polymethyl methacrylate
NTP	: Not established
OSHA	: Not established
MUTAGENICITY	: No information available
TERATOGENICITY	: No information available
REPRODUCTION TOXICITY	: No information available
OTHER DATA	: No information available

**[12.ECOLOGICAL INFORMATION]**

MOBILITY	: No information available
PERSISTENCE/ DEGRADABILITY	: No information available
BIOACCUMULATION	: No information available
ECOTOXICITY	
AQUATIC TOXICITY	: No information available
OTHER DATA	: No information available

**[13.DISPOSAL CONSIDERATIONS]**

Review "HANDLING AND STORAGE (Section 7)".  
Dispose of waste(after vacuuming) in accordance with local,state, and federal regulations.

Dispose of waste in accordance with local,state and federal regulations.

**[14.TRANSPORT INFORMATION]**

Follow all regulations in your country or region

UN CLASS/UN NUMBER	: Not applicable
PRECAUTIONS	: Review "ACCIDENTAL RELEASE MEASURES (Section 6)". Review "HANDLING AND STORAGE (Section 7)". Ensure containers without breakage or leakage. Ensure containers tightly fixed. Follow all regulations in your country or region.

**[15.REGULATORY INFORMATION]**

Follow all regulations in your country or region.

INVENTORIES	: ENCS(Japan)	Yes
	TSCA(USA)	Yes
	EINECS(EU)	No(ELINCS)
	AICS(Australia)	Yes
	DSL(Canada)	No
	ECL(Korea)	Yes
	PICCS(Philippines)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

**[16.OTHER INFORMATION]**

- REFERENCE
- Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)
  - International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)

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