SECTION 1: Identification

Product identifier	
Product Name	8550B
SDS No.	BG02700-E10
Recommended use of the chemical and restriction	on use
	Adhesive use
Supplier's details	
Manufacturer	No-tape Industrial Co., Ltd.
Name of section	Technical Section
Address	3-1-19 Atobehonmachi, Yao City, Osaka, Japan
Telephone Number	+81-72-992-0131
Fax Number	+81-72-992-1513
Emergency telephone number	

Date prepared : October 29, 2002 Date revised : March 15, 2022

SECTION 2: Hazard identification

GHS classification of the substance or mixture	
Physical hazards:	
Flammable liquids	: Category 2
Health hazards:	
Acute toxicity-Oral	: Not classified
Acute toxicity-Dermal	: Not classified
Acute toxicity-Inhalation (Gases)	: Not classified(Not this hazard)
Acute toxicity-Inhalation (Vapours)	: Category 4
Acute toxicity-Inhalation (Dusts and Mists)	: Not classified
Skin corrosion/irritation	: Category 2
Serious eye damage/irritation	: Category 2A
Respiratory sensitization	: Classification not possible
Skin sensitization	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Reproductive toxicity	: Category 1A, Additional category
STOT-single exposure	: Category 1, 3
STOT-repeated exposure	: Category 1
Aspiration hazard	: Classification not possible
Environmental hazards:	
Hazardous to the aquatic environment-Short-term (Acute) hazard	: Category 2
Hazardous to the aquatic environment-Long-term (Chronic) hazard	: Category 3
Hazardous to the ozone layer	: Classification not possible

GHS label elements, including precautionary statements

Pictograms (or hazard symbols)



Signal word(s)

: Danger

Hazard statement(s)

Highly flammable liquid and vapour

- Harmful if inhaled
- Causes skin irritation
- Causes serious eye irritation

May damage fertility or the unborn child

May cause harm to breast-fed children

Causes damage to organs< the central nervous system >

May cause respiratory irritation

May cause drowsiness or dizziness

Causes damage to organs < the nervous system, the central nervous system, the kidney > through prolonged or repeated exposure

Toxic to aquatic life

Harmful to aquatic life with long lasting effects

Precautionary statement(s)

Inhalation may cause poisoning and other health problems, so please follow the precautions below when handling.

Prevention:

- + Do not handle until all safety precautions have been read and understood.
- + Keep away from heat / sparks / open flames / hot surfaces. No smoking.
- + Use explosion- proof electrical / ventilating/ equipment. Do not breathe dust / fume / gas / mist / vapour / spray.
- + Wear protective gloves / eye protection / face protection.
- + Stop leak if safe to do so.
- + Wash thoroughly after handling. Rinse mouth.
- + Avoid release to the environment.

Response:

- + In case of fire: Use carbon oxide, foam or dry chemical media for extinction.
- + Absorb spillage to prevent material-damage. Collect spillage.
- + IF ON SKIN : Wash with plenty of soap and water. If skin irritation occurs : Get medical advice / attention.
- + IF IN EYES : Rinse cautiously with water for several minutes. Get medical advice / attention.
- + IF INHALED : Call a POISON CENTER or doctor / physician if you feel unwell.
- + IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- + Take off immediately all contaminated clothing and wash it before reuse.

Storage:

- + Keep container tightly closed.
- + Store in a well-ventilated place. Protect from sunlight. Keep cool. (5-35°C)
- + Keep out of reach of children.

Disposal:

+ Dispose of contents / container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification

"Fire Service Law of Japan"	:	
Hazardous Materials	4th group 1st class petroleum Water insoluble liquids	Hazard rank II

SECTION 3: Composition/information on ingredients

Substances or Mixture

Mixture

Chemical name (Genetic name)

Synthetic rubber adhesive

Ingredient and concentration or concentration range

Ingredients	CAS RN.	Concentration or concentration range % (weight)
Chloroprene rubber etc.	-	Approx. 28
(Amorphous silica)	(112926-00-8)	(0.1-2)
(Rosin)	(8050-09-7)	(0.1-2)
(Carbon black)	(1333-86-4)	(<1)
(Zinc oxide)	(1314-13-2)	(<1)
Toluene	108-88-3	25-35
Ethyl acetate	141-78-6	15-25
Normal hexane	110-54-3	15-25

SECTION 4: First-aid measures

Description of necessary first-aid measures

Inhalation	Remove the victim from the contamination immediately to fresh air.
	If breathing is weak, irregular or has stopped, open his airway, loosen his
	collar and belt and administer artificial respiration.
	And refer for medical attention.
Skin	Remove all contaminated clothing, shoes and socks from the affected areas as quickly
	as possible, cutting them off if necessary.
	Wash the affected area under tepid running water using a mild soap.
	If irritation persists, arrange for transport to the nearest medical facility for
	examination and treatment by a physician as soon as possible.
Eye	Gently rinse the affected eyes with clean water for at least 15 minutes.
	Arrange for transport to the nearest medical facility for examination and
	treatment by a physician as soon as possible.
Ingestion	Do not induce vomiting as this may increase the risk of aspiration of the
	liquid into the lungs causing chemical pneumonia.
	Never give anything by mouth to someone who is unconscious or convulsing.
	If the victim is responsive, give him plenty of water and induce vomiting.
	And refer for medical attention.
Most important symptoms/e	ffects, acute and delayed
	Dizziness, Headache, Nausea
Indication of immediate med	lical attention and special treatment needed, if necessary
	Not available

SECTION 5: Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	Dry chemical, foam, carbon dioxide and dry sand
Unsuitable Extinguishing Media	Straight stream water
Special hazards arising from the chem	nical
	May occur the irritative, toxic and corrosive gas.

Special protective actions for fire-fighters

Water is not preferable extinguishing medium, but water spray should be used to

cool fire-exposed containers.

Evacuate personal to safe area.

Shut off fuel to fire if possible to do so without hazard.

Keep personnel removed from and upwind of fire.

Respiratory and eye protection are required for fire fighting personnel.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

	Evacuate non essential personnel.
	Eliminate all sources of ignition and ventilate the area.
	Wear proper protective equipment ; the wearing of suitable protective
	equipment(including personal protective equipment, see Section 8 of the
	(SDS) to prevent any contamination of skin, eyes and personal clothing.
Environmental precautions	Prevent spills from entering sewers, watercourses, or low areas.
Methods and materials for containment and	d cleaning up
	Absorb spill with inert material (e.g., dry sand or earth), then place in a
	chemical waste containers with covers for disposal, using non-sparking tools.

Remove leaking containers to a safe place, if feasible.

SECTION 7: Handling and storage

Precautions for safe handling

Handling

Shut off all gas pilot and electrical(spark or hot wire) igniters and other sources of ignition during use and until all vapor(odors) are gone.

Use only in the well-ventilated areas.

Make available in the work area emergency shower and eyes wash.

Avoid contact with skin or eyes.

Conditions for safe storage, including any incompatibilities

Storage

Keep away from heat, steam pipe or sunlight. Keep away from the oxidizing agent. Store in a cool, dry, well-ventilated. Store at temperature 5-35 deg.C.

Incompatible materials or ignition sources

See SECTION 10.

Packaging materials

Suitable materials: Steel, Stainless, Aluminum

Materials to avoid: various plastics

UN Packaging Class: II

SECTION 8: Exposure controls/personal protection

Control parameters:

Chemicals	JSOH OEL(2020)	ACGIH TLV(2019)	
		TWA	STEL
Toluene	skin 50ppm,	20ppm	-
	skin 188mg/m3		
Ethyl acetate	200ppm, 720mg/m3	400ppm	-
n-Hexane	skin 40ppm, skin	skin 50ppm	-
	140mg/m3		
Amorphous silica	Class 3 dust:	10mg/m3	-
	Resp. dust 2mg/m3,		
	Total dust 8mg/m3		
Carbon black	-	3mg/m3(Resp.	-
		particles)	
Zinc oxide	Class 2 dust	2mg/m3(Respir	10mg/m3(Respir
	Respirable	able)	able)
	dust1mg/m3, Total		
	dust4mg/m3		
Rosin	-	(0.001mg/m3)*	-

()*= ACGIH Notice of intended changes

BEI: Biological Exposure Indices / ACGIH(2019)

Chemicals	Determinant	Sampling Time	BEIs	Notation
	Toluene in blood	Prior to last shift	0.02mg/L	-
		of workweek		
Toluene	Toluene in urine	End of shift	0.03mg/L	-
	o-Cresol in urine	End of shift	0.3mg/g creatinine	В
	(With hydrolysis)			
n-Hexane	2,5-Hexanedion in urine	End of shift at end	0.4mg/L	-
	(Without hydrolysis)	ofworkweek		

"B" = Background

 Appropriate engineering controls:
 Use local exhaust ventilation etc. to keep air-born concentration below exposure limit.

 Individual protection measures, such as personal protective equipment(PPE)
 In confined or poorly ventilated areas, use an approved positive-pressure

1 51	
	self-contained breathing apparatus, or respiratory with nuisance level
	organic vapour.
Eye/face protection	Safety goggles, Chemical goggles.
Skin protection	Rubber gloves.Impervious clothing.
	Chemical-resistant apron and impervious boots.

SECTION 9: Physical and chemical properties and safety characteristics

Physical state;	Liquid (Viscous liquid)
Colour;	Black
Odour;	Organic solvent odor
Melting point/freezing point;	No data available
Boiling point or initial boiling point and boiling range;	68-110 deg.C
Flammability;	Flammable

Lower and upper explosion limit/flammable limit;	1.1-12.8 %
Flash point;	-22 deg. C
Auto-ignition temperature;	220 deg.C
Decomposition temperature;	No data available
pH;	Can not measure
Kinematic viscosity;	No data(Dynamic viscosity: Approx. 6300 mPa·s at 20 deg.C)
Solubility;	Insoluble in water
Partition coefficient n-octanol/water(log value);	No data available
Vapor pressure;	No data available
Density and/or relative density;	Approx. 0.89
Relative vapour density;	>Air=1
Particle characteristics;	Not applicable(Liquid)

SECTION 10: Stability and reactivity

Reactivity;	No information
Chemical stability;	Stable under recommended conditions of storage and handling.
Possibility of hazardous reactions;	Not contact with the strong oxidizing agent.
Conditions to avoid;	Keep away from flame and spark.
Incompatible materials;	Strong acids, oxidizing agent.s
Hazardous decomposition products;	Occur smoke or gas (carbon monoxide, carbon dioxide, hydrogen
	chloride etc.) from the heat decomposition.

SECTION 11: Toxicological information

	Toluene	Ethyl acetate
Acute toxicity-Oral:	Rat LD50=5000mg/kg Not classified	Rat LD50=5600mg/kg Not
_		classified
Acute toxicity-Dermal:	Rat LD50=12000mg/kg Not classified	Rabbit>18000mg/kg Not classified
Acute toxicity-Inhalation (Gases):	Not classified(Not this hazard)	Not classified(Not this hazard)
Acute toxicity-Inhalation (Vapours)	Rat LC50(4hrs.)>3319ppm Category 4	Rat LC50(4hrs.)=14640ppm
		Category 4
Acute toxicity-Inhalation (Dusts and	Classification not possible	Classification not possible
Mists)	-	-
Skin corrosion /irritation:	Rabbit: Category 2	Rabbit: Not classified
Serious eye damage/irritation:	Rabbit: Category 2B	Rabbit: Category 2B
Respiratory sensitization :	Classification not possible	Classification not possible
Skin sensitization :	Guinea pig & human: Not classified	Guinea pig & human: Not classified
Germ cell mutagenicity:	Not classified	Not classified
Carcinogenicity:	IARC: Group 3, ACGIH: A4, EPA: D	Classification not possible
	Classification not possible	-
Reproductive toxicity :	Category 1A. Additional category	Classification not possible
STOT-single exposure:	Category 1 - the central nervous	Category 3 - respiratory irritation,
	system, Category 3 - respiratory	narcotic effect
	irritation, narcotic effect	
STOT-repeated exposure:	Category 1 - the central nervous	Not classified
	system, the kidney	
Aspiration hazard:	Category 1	Classification not possible
Source of information	NITE	NITE

	n-Hexane	Rosin
Acute toxicity-Oral:	Rat LD50=15800mg/kg Not classified	Rat LD50=7600mg/kg
_		Not classified
Acute toxicity-Dermal:	Classification not possible	Rabbit LD50>2500mg/kg, Rat
		LD50=2500mg/kg Not classified
Acute toxicity-Inhalation (Gases):	Not classified(Not this hazard)	Not classified(Not this hazard)
Acute toxicity-Inhalation (Vapours)	Rat LC50(4hrs.)=48000ppm Not	Classification not possible
	classified	
Acute toxicity-Inhalation (Dusts and	Classification not possible	Rat LC50(6hrs.)=approx. 1.5mg/L
Mists)		(4hrs. Converted value=approx.
		2.3mg/L) Category 4
Skin corrosion /irritation:	Rabbit & human: Category 2	Rat: Not classified
Serious eye damage/irritation:	Rabbit: Category 2	Rat: Category 2B
Respiratory sensitization :	Classification not possible	JSOH: Airway Group 1
		Category 1
Skin sensitization :	Classification not possible	Guinea pig & human: Category 1
Germ cell mutagenicity:	Not classified	Not classified
Carcinogenicity:	Classification not possible	Classification not possible
Reproductive toxicity :	Category 2	Classification not possible
STOT-single exposure:	Category 3 - respiratory irritation,	Classification not possible
	narcotic effect	
STOT-repeated exposure:	Category 1 - the nervous system	Classification not possible
Aspiration hazard:	Category 1	Classification not possible
Source of information	NITE	NITE

	Zinc oxide	Amorphous silica
Acute toxicity-Oral:	Rat LD50>5000mg/kg	Rat LD50>5000mg/kg(Precipitated
	Not classified	silica) Not classified
Acute toxicity-Dermal:	Rabbit LD50>5000mg/kg	Rabbit LD50>2000mg/kg(Silica gel)
	Not classified	Not classified
Acute toxicity-Inhalation (Gases):	Not classified(Not this hazard)	Not classified(Not this hazard)
Acute toxicity-Inhalation (Vapours)	Not classified(Not this hazard)	Not classified(Not this hazard)
Acute toxicity-Inhalation (Dusts and	Rat LC50(4hrs.)>5.7mg/L	Classification not possible
Mists)	Not classified	
Skin corrosion /irritation:	Rabbit: Not classified	Rabbit: Not classified
Serious eye damage/irritation:	Rabbit: Not classified	Rabbit: Category 2B
Respiratory sensitization :	Classification not possible	Classification not possible
Skin sensitization :	Guinea pig: Not classified	Classification not possible
Germ cell mutagenicity:	Classification not possible	Classification not possible
Carcinogenicity:	EPA: I Classification not possible	Classification not possible
Reproductive toxicity :	Category 2	Classification not possible
STOT-single exposure:	Category 1 - the respiratory organs,	Category 3 - respiratory irritation
	systemic toxicity	
STOT-repeated exposure:	Classification not possible	Classification not possible
Aspiration hazard:	Classification not possible	Classification not possible
Source of information	NITE	NITE

	Carbon black
Acute toxicity-Oral:	Rat LD50>8000mg/kg Not classified
Acute toxicity-Dermal:	Classification not possible
Acute toxicity-Inhalation (Gases):	Not classified(Not this hazard)
Acute toxicity-Inhalation (Vapours)	Not classified(Not this hazard)
Acute toxicity-Inhalation (Dusts and	Classification not possible
Mists)	_
Skin corrosion /irritation:	Rabbit: Not classified

Serious eye damage/irritation:	Rabbit: Not classified
Respiratory sensitization :	Classification not possible
Skin sensitization :	Classification not possible
Germ cell mutagenicity:	Classification not possible
Carcinogenicity:	IARC: Group 2B, ACGIH: A3
	Category 2
Reproductive toxicity :	Classification not possible
STOT-single exposure:	Classification not possible
STOT-repeated exposure:	Category 1 - the respiratory organs
Aspiration hazard:	Classification not possible
Source of information	NITE

SECTION 12: Ecological information

Toxicity;	No data as the mixture
Persistence and degradability;	No data as the mixture
Bioaccumulative potential;	No data as the mixture
Mobility in soil;	No data as the mixture
Ozone depletion potential;	No data

	Toluene	Ethyl acetate
Hazardous to the aquatic environment	Crustacean(Ceriodaphnia dubia)	Crustacean(Daphnia pulex)
-Short-term (Acute) hazard:	48hrs.EC50=3.78mg/L Categoy 2	48hrs.EC50=262mg/L, Fishes(Fathead
		minnow) 96hrs.LC50=230mg/L Not
		classified
Hazardous to the aquatic environment	Chronic toxicity data: Rapid	Chronic toxicity data: Rapid
-Long-term (Chronic) hazard:	degradability: Yes (Degradability by	degradability: Yes (Degradability by
	BOD 2weeks=123%),	BOD 28days=66, 112, 105%),
	Crustacean(Ceriodaphnia	Crustacean(Daphnia magna) 21 days
	dubia)7daysNOEC=0.74mg/L	NOEC=2.4mg/L Not classified
	Category 3	
Hazardous to the ozone layer:	Classification not possible	Classification not possible
Source of information	NITE	NITE

	n-Hexane	Rosin
Hazardous to the aquatic environment	Crustacean(Daphnia magna)	Crustacean(Daphnia magna)
-Short-term (Acute) hazard:	48hrs.LC50=3.88mg/L Category 2	48hrs.EC50=4.5mg/L Category 2
Hazardous to the aquatic environment	Rapid degradability: Yes	Acute toxicity: Category 2, Rapid
-Long-term (Chronic) hazard:	(Degradability by BOD=100%),	degradability: No (Degradability by
	Bioaccumulation : Low (log	BOD=36-46%) Category 2
	Kow=3.9) Not classified	
Hazardous to the ozone layer:	Classification not possible	Classification not possible
Source of information	NITE	NITE

	7' '1	A 1 '1'
	Zinc oxide	Amorphous silica
Hazardous to the aquatic environment	Crustacean(Daphnia magna)	Crustacean(Daphnia magna)
-Short-term (Acute) hazard:	48hrs.LC50=0.098mg/L Category 1	24hrs.EC50>10000mg/L,
		Fishes(Zebra fish)
		96hrs.LC50=10000mg/L Not
		classified
Hazardous to the aquatic environment	Metal compound, Chronic toxicity	Classification not possible
-Long-term (Chronic) hazard:	data: Algae(Pseudokirchneriella	
	subcapitata) 72hrs.NOEC=24µg Zn/L	
	(29.9µg ZnO/L) Category 1	

Hazardous to the ozone layer:	Classification not possible	Classification not possible
Source of information	NITE	NITE
	Carbon black	
Hazardous to the aquatic environment	Crustacean(Daphnia magna)	
-Short-term (Acute) hazard:	48hrs.EC50>5600mg/L,	
	Fishes(Japanese dace)	
	96hrs.LC50>1000mg/L Not classified	
Hazardous to the aquatic environment	Classification not possible	
-Long-term (Chronic) hazard:		
Hazardous to the ozone layer:	Classification not possible	
Source of information	NITE	
		-

SECTION 13: Disposal considerations

Disposal methods

Follow Federal state and Local Regulations. Do not flush to drain sewer. Incinerate under Controlled Conditions.

Drain to chemical waste plant. Contract to authorized disposal service.

SECTION 14: Transport information

International regulations for transport	
UN number:	: 1133
UN Proper shipping name	: ADHESIVES
Transport hazard class(es)	: Class. 3 (Flammable liquid)
Packing group, if applicable	: P.G. II
Environmental hazards	
Marine pollutant	: No
EmS Guide	: F-E, S-D
NAERG(J)	:128
Special precaution for user	Keep away from oxidizing materials and source of ignition. Follow all regulations in your country

SECTION 15: Regulatory information

Follow all federal, state and local regulations in your country.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

SECTION 16: Other information

References

ACGIH - American Conference of Governmental Industrial Hygienists

JSOH - Japan Society for Occupational Health

NITE * - Incorporated Administration Agency National institute of Technology and Evaluation (NITE) / Japan Globally Harmonized System of Classification and Labeling of Chemicals(GHS) Seventh revised edition

This document is compiled of information based on the data that is available at present, but as it comes from outside sources, the accuracy of the data and evaluations of the data can not be guaranteed.

In addition, these instructions are concerning the use, handling and corresponding safety measures under normal conditions. Therefore, for any special circumstances, please take special care and adapt safety measures accordingly. As evaluations of danger and potential hazards are not completely sufficient, please take proper caution upon handling.