

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Part 1: CHEMICAL NAME AND CORPORATE IDENTITY

Chemical Name:	TB-002 Single Component Polyurethane Elastomer
Alternate Name:	None
Company Name:	B. T. Sports Pte Ltd
Address:	No.41 Gul Drive Singapore
Postal:	629489
E-Mail:	sales@btsports.com.sg
Fax:	+65-6897-8281
Hotline:	+65-6897-8283
Date Revised:	15/01/2015

Part 2: COMPOSITION AND INFORMATION

Composition	Content	CAS No.
Polyurethane Resin	50-52%	9009-54-5
Talc	48-50%	14807-96-6

Part 3: RISK OVERVIEW

Risk Category:	
Hazards Through:	Inhalation; Skin Absorption
Hazardous to Health:	Irritation to skin
Hazards to Environment:	It pollutes land and water
Flammability:	Not Flammable

Part 4: EMERGENCY RESPONSE

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Contact to Skin: Remove the affected clothing, wash thoroughly with soap and water

Contact to Eyes: Flush with clean water or salt solution; Seek medical attention

Inhalation: If significant inhalation, remove the victim immediately to the open area with fresh air, give artificial respiration if victim is not breathing, seek medical attention

Ingestion: Drink sufficient water, vomit out, and seek medical attention

Part 5: FIRE FIGHTING MEASURES

Hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water steam to hot liquid

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

Fire Fighting Measures and Media: Measures: Use water to cool down the container to open area if possible; Evacuate to safe place when the container changes color
Media: Foam, dry water, carbon dioxide and sand; Ineffective when using water

Part 6: EMERGENCY MEASURES WHEN SPILLAGE

Emergency Measures: Cut off fire source immediately, wear respirator; Stop all spillage and prevent spillage into open drain, sewerage, and concealed drain

Part 7: HANDLING AND STORAGE

Operation Note: Provide good general ventilation during operation; Strictly adhere to operation instruction; Suggest wearing respirator mask, chemical protective glasses, wear toxic proof overalls and impermeable gloves, distance from all fire source, heat, and do not smoke in the area; Using explosion proof ventilation system and installation; Prevent contact with oxide; Control flowing speed when packing in metal container; Prevent static electricity forming; Take great care during loading and unloading to prevent damage to the packaging, equip with appropriate fire extinguishers; Empty all the residual toxic material in the container

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Storage:	Store in cool and well ventilated storeroom, distance from fires source, heat, storage temperature not more than 30°C; Sealed container and separate from all oxide; Light with anti-explode lighting system and ventilation installation; Prohibit all equipment/tools with sparks and heat
-----------------	--

Part 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Contact Limit:	Not available
--------------------------------	---------------

China MAC(mg/m3):	Not available
--------------------------	---------------

TLVTN:	Not available
---------------	---------------

TLVWN:	Not available
---------------	---------------

Testing Method:	Gas Chromatography
------------------------	--------------------

Engineering Control:	Total sealing during production processes, enhance ventilation
-----------------------------	--

Respiratory Protection:	Wear toxic filter respirator/mask. During emergency and evacuation, wear respiratory or oxygen mask
--------------------------------	---

Eye Protection:	Wear eye protection chemical mask
------------------------	-----------------------------------

Body Protection:	Wear toxic-proof overalls
-------------------------	---------------------------

Hand Protection:	Impermeable rubber gloves
-------------------------	---------------------------

Other Measures:	No smoking, eat or drink at workplace. Wash after operation and maintain good hygiene practice
------------------------	--

Part 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Viscous liquids
-----------------------	-----------------

pH:	Not applicable
------------	----------------

Melting Point (°C):	<5
----------------------------	----

Boiling Point (°C):	144
----------------------------	-----

Relative Density:	1.45-1.50
--------------------------	-----------

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Relative Vapor Density:	None
Spirit/Water Coefficient:	None
Flash Point (°C):	>61.0
Flammability Limit (°C):	None
Explosion Upper Limit %(V/V):	None
Explosion Lower Limit %(V/V):	None
Solubility:	Insoluble in water; Soluble in benzene, ketone, ester
Main Usage:	Adhesive to coating
Other Physical and Chemical Properties:	None
Content of VOC(%):	0
Viscosity(cps):	20000-30000
Evaporation Rate:	Slower than Butyl Acetate and Benzene
Erosive:	None
Radiation:	None

Part 10: STABILITY AND REACTIVITY

Stability:	The product is stable under shield life storage condition
Prohibit Mix:	Strong Oxidizers
Avoid Contact:	Lost it effectiveness when contact water or water vapor
Hazardous Polymerization:	Will not happen
Decomposition of Product:	Carbon monoxide and nitrogen/oxygen compounds

Part 11: TOXICOLOGICAL INFORMATION

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Acute Toxicity: Not available

Irritation: Cause eye problem: 300 ppm and skin irritation 500 ppm, moderate irritation

Part 12: ECOLOGICAL INFORMATION

Eco-toxicity: Not available

Biodegradability: Material major component is not biodegradable

Non-Biodegradability: Slow hydrolysis and photolysis process in the long term

Part 13: DISPOSAL CONSIDERATION

Nature of Waste: HW13

Disposal Method: Recycle or incinerate or any other disposal method in accordance to the environmental regulations.

Disposal Consideration: Face mask must be used if disposed through incineration

Part 14: TRANSPORT INFORMATION

Hazard Class No.: 33535

UN No.: 1307

Packing Label: 7

Packing Group: III

Packing Method: Steel container with small outlet, internal plastic packing with paper or metal container, metal container with wooden box

Transport Information: Transport vehicles must equip with appropriate fire extinguishing media. Transportation under cool condition, do not transport with oxidizers, other comical. Prevent exposure to direct sun light, rain, high temperature, and distance from fire and hot sources, high temperature zone. Exhaust must be fitted with fire safe gadget. Prohibit using machine/equipment emitting sparks, observe traffic rules and do not park at public housing area. Properly secure prevent slide when transport on rail. Prohibit using wooden boat or loose cargo

Part 15: REGULATORY INFORMATION

Material Safety Data Sheet

TB-002 Single Component Polyurethane Elastomer

Regulation: Toxic chemical substances control (17th Feb 1987 issued by China Governor), Toxic chemical substances control regulations (issued on 1992 No.677), workplace safety regulations on Toxic Chemical (1996 No.423), regarding safety in using toxic chemicals, production, storage, transport, loading etc; common toxic chemicals classification and label (GB13690-92) in class 9 item one

Part 16: OTHER INFORMATION

Form Filled By: Technical Department of B. T. Sports Pte Ltd

Other Information: The information given here is to the best of our knowledge, true and accurate and is provided in good faith, for making safety assessments by the user. The use of product is not under control of the manufacturer. It is not a sales specification or an indication of suitability for particular use. The product is complied with the regulation for indoor renovation material under toxic chemical substances.