

MATERIAL SAFETY DATA SHEET

BOSTIK MS TURBO

SECTION 1: Identifying the substance or mixture and the company or business

Identifying the substance or mixture

Name of product : BOSTIK MS TURBO
Code : 30600374
Type of product : Liquid.
Use of the substance or mixture : Adhesive Putty.
Provider : BOSTIK SA
253 Avenue du Président Wilson
93211 La Plaine Saint Denis FRANCE
Telephone no. : + 33 (0) 1 55 99 90 00
E-mail address of the person responsible for this MSDS : sds.box-fr@bostik.com
Emergency ORFILA telephone no. : + 33 (0) 1 45 42 59 59



PT ANUGERAH MANDIRI WATERPROOF

SECTION 2: Identifying risks

2.1 Classifying the substance of mixture

Definition of the product : Mixture

Classification in accordance with Regulation (CE) n°. 1272/2008 [CLP/GHS]

Not classified.

Classification according to Directive 1999/45/CE [DPD]

This product is not classified as dangerous in accordance with Directive 1999/45/CE and its amendments.

Classification : Not classified.

Check Section 16 of the complete text of R phrases or H declarations mentioned above.

In the case that further detailed information related to the symptoms and effects on health is necessary, check with Section 11.

2.2 Labelling elements

- No words or warning.
- No significant effect or critical risks.

Precautionary

- General** : P103 - Read the label before using.
P102 - Keep out of reach of children.
P101 - If medical attention is required, bring the bottle or label with you
- Prevention** : Not applicable
- Response** : Not applicable
- Storage** : Not applicable
- Removal** : Not applicable
- Symbol or symbols for danger** :
- Hazard warning** :
- Risk phrases** : This product is not classified in accordance with EU legislation.
- Safety phrases** : Not applicable

SECTION 2: Identifying risks

Supplemental elements that should be considered for the labels : Material safety data sheet available to any professional who requests it.

Special packing requirements

Containers should come with a pre-installed security lock for children : Not applicable

Warning of danger if touched : Not applicable

2.3 Other dangers

Other dangers that do not fall under a classification : None are known.

SECTION 3: Composition/information of the components

Substance/prepared : Mixture

Nature of material : Putty.

Name of the ingredient	Identifiers	%	Classification		Type
			67/548/CEE	Regulation (CE) n°. 1272/2008 [CLP]	
vinyltrimethoxysilane	REACH #: 01-2119513215-52 CE: 220-449-8 CAS: 2768-02-7	1 - 5	R10 Xn; R20	Flam. Liq. 3, H226 Acute Tox. 4, H332	[1]
3-(trimethoxysilyl)propylamine	REACH #: 01-2119510159-45 CE: 237-511-5 CAS: 13822-56-5	< 1	Xi; R41, R38	Skin Irrit. 2, H315 Eye Dam. 1, H318	[1]
titanium dioxide	REACH #: 01-2119489379-17 CE: 236-675-5 CAS: 13463-67-7	< 1	Not classified.	Not classified.	[2]
			See section 16 for the complete text for the R phrases which are shown.	Check with Section 16 of the complete text for the H phrases mentioned above.	

There is no additional ingredient present that, under the current knowledge of the provider and for the applicable concentrations, is classified as having a risk to health or the environment, such as PBT or mPmB or has been assigned a limit to work exposure and therefore should be reported in this section.

Type

Substance classified as a risk to health or the environment

[2] Substance with workplace exposure limits

[3] The substance complies with the PBT criteria, according to Regulation (CE) no. 1907/2006, Annex XIII

[4] The substance complies with the mPmB criteria, according to Regulation (CE) no. 1907/2006, Annex XIII

[5] A substance that provokes an equivalent grade of risk

The workplace exposure limits, in the case that they apply, are shown in section 8.

SECTION 4: First Aid**4.1 Description of first aid**

Contact with the eyes : Wash out the eyes immediately with plenty of water as you often move your eyelashes up and down.

Breathing it in : Move to fresh air. Ensure there is a good flow of air. If you are unconscious, place in a recovery position and find medical assistance.

Contact with the skin : Wash with soap and water. In the case that it is irritating or there are symptoms, avoid further exposure. Seek medical attention if symptoms are present.

Ingestion : Wash the mouth with water. Seek medical attention if symptoms are present.

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SECTION 4: First Aid

Protecting first aid personnel : No actions should be carried out that put personnel at risk or without proper training.

4.2 Primary symptoms and effects, severe and delayed**Potentially severe effects to health**

Contact with the eyes : No significant effect or critical risks.

Breathing it in : Exposure to deteriorating products can produce health risks.
It is possible that serious risks arise after extended exposure.

Contact with the skin : No significant effect or critical risks.

Ingestion : No significant effect or critical risks.

Signs/symptoms of overexposure

Contact with the eyes : No specific data.

Breathing it in : No specific data.

Contact with the skin : No specific data.

Ingestion : No specific data.

4.3 Indications that immediate medical attention and special treatment should be immediately provided.

Notes for the doctor : In the case of breathing the decomposing products during a fire, the symptoms may appear afterwards. It is possible that the exposed person be under medical supervision for a period of 48 hours.

Specific treatments : There is no specific treatment.

SECTION 5: Measures to fight fire**5.1 Extinction methods**

Appropriate extinction controls : Use an extinction agent that is adequate for spreading fire

Inappropriate extinction methods : None are known.

5.2 Specific risks derived from the substance or mixture

Risks derived from the substance or mixture : Pressure can increase and the container can explode in the case of overheating or fire.

Hazardous thermal decomposition products : Decomposition products can include the following materials:
carbon dioxide
carbon monoxide
nitrogen-oxide
halogenated compounds
oxide/metallic oxides/metallic
dust and smoke

5.3 Recommendations to personnel to fight against fire

Special measures that teams should take to fight against fire : In the case of a fire, rapidly isolate the area, evacuate all people from the area surrounding the incident. No actions should be carried out that put personnel at risk or without proper training.

Special protective equipment for personnel to fight against fire : Firefighters should carry the appropriate protective equipment and a self-breathing unit with a complete face mask that operates in a positive pressure mode.

SECTION 6: Measure in case of an accidental release

6.1 Personnel warnings, protective equipment and emergency procedures

For personnel who are not part of the emergency services

: No actions should be carried out that put personnel at risk or without proper training. Evacuate the surrounding areas. Do not allow unnecessary personnel from entering and without protection. Do not touch or walk on the spilled material. Wear the proper individual protective equipment.

For emergency personnel

: Special clothing to handle the spill is needed, and taking into account the information provided in Section 8 related to the proper material and improper material. Also consult Section 8 for additional information on hygiene measures.

6.2 Warnings related to the environment

: Avoid the spreading of spilled material, any contact with the ground, waterways, drains and sewers.

6.3 Methods and material for containment and cleaning

Small spill

: Stop the leak if this does not cause any risk. Remove the containers from the spill area. Soak up with an inert material and place it in an appropriate waste container. Eliminate this waste with a contractor who is authorized to remove it.

Large spill

: Stop the leak if this does not cause any risk. Remove the containers from the spill area. Prevent the spill from entering pipes, water channels, basements or low lying areas. Wash the spillage toward a waste treatment plant or proceed as indicated in the following. Stop and remove the spill with absorbent, non-combustible material, such as sand, dirt, vermiculite or diatomaceous earth, and place the material in a container to dispose of it in accordance with the local regulations. Eliminate this waste with a contractor who is authorized to do so.

6.4 Reference to other sections

: Consult Section 1 for contact information in the case of an emergency.
Consult Section 8 for information related to appropriate personal protective equipment.
Consult Section 13 for additional information related to the treatment of residues.

SECTION 7: Handling and storage

The information provided in this section contains general suggestions and instructions. The list of Uses, identified in Section 1, should be reviewed for any available information of a specific use mentioned in Exposure Scenarios.

7.1 Suggestions for safe handling

Protective measures

: Eating, drinking or smoking should be prohibited in areas where this product is handled, stored or treated. Workers should wash their hands and face before eating, drinking or smoking. Do not ingest. Avoid contact with the eyes, skin and clothing. Do not use the product's container again.

Information related to hygiene at the work place, in general

: Eating, drinking or smoking should be prohibited in areas where this product is handled, stored or treated. Workers should wash their hands and face before eating, drinking or smoking. Remove protecting equipment and contaminated clothing before entering eating areas. Also consult Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including possible incompatibilities

Storage

: Conserve the product in compliance with local regulations. Store in the original container, protected from direct sunlight in a dry, fresh and well ventilated area, separated from incompatible materials (see Section 10) and food and drink. Keep the container well closed and sealed until it is to be used. Waste containers should be carefully and completely closed and kept in a vertical position to avoid spills. Do not store in containers with no labelling.
Keep between the following temperatures: 5°C and 30°C

7.3 Specific uses

Recommendations

: Not available.

SECTION 7: Handling and storage

Specific solutions for the industrial sector : Not available.

SECTION 8: Controls for exposure/individual protection

The information provided in this section contains general suggestions and instructions. The information that is provided is based on the common uses that are anticipated for the product. It may be necessary to take additional measures for handling bulk material and other uses that could significantly increase the exposure of workers or a release into the environment.

8.1 Control parameters

Workplace exposure limits

Name of product or ingredient	Limiting values of exposure
titanium dioxide	INSHT (Spain, 5/2010). VLA-ED: 10 mg/m ³ 8 hours.

Recommended control procedures : If this product contains ingredients with exposure limits, it may be necessary to supervise the personnel, the work environment or natural environment to determine how effective the ventilation is or other control measures and/or the need to use protective respiratory equipment.

DNEL/DMEL Values

There are no DNEL/DMEL values available.

PNEC Value

There are no PNEC values available.

8.2 Exposure controls

Appropriate technical controls : There are no special ventilation requirements.

Individual protective measures

Hygiene measures : Completely wash hands, forearms, and face after handling products chemicals, before eating, smoking, using the restroom and at the end of every working shift. Verify that the eye washing stations and security showers are close to the work stations.

Eye and face protection : Protective eye equipment should be used that complies with the appropriate regulations when the risk level indicates that it is necessary to avoid all exposure to splashes from liquid, mists or dusts.

Skin protection

Hand protection : If the risk level indicates that it is necessary, chemical-resistant and waterproof gloves should be used that comply with the appropriate regulations whenever chemical products are being used.

Body protection : Before using this product, personal protective equipment should be chosen for the body that is based on the work to be done and the risks involved and it should be approved by a specialist.

Other types of skin protection : Proper footwear should be selected and any other skin protection that is necessary depending on the work that is to be carried out and the implied risks. These measures should be approved by a specialist before proceeding to handle this product.

Respiratory protection : Use a purified air ventilator or that provides air, that is appropriately fitted and complies with the appropriate regulations if a risk level shows that it is necessary. A ventilator should be chosen based on the true or forecast exposure levels, the danger level of the product and the degree of reliability of the chosen ventilator.

Environmental exposure controls : Not applicable

SECTION 9: Physical and chemical properties

9.1 Information on physical and chemical basic properties

Aspect

Physical State	: Liquid. [Paste.]
Color	: White
Smell	: Not available.
Olfactory threshold	: Not available.
pH	: Not available.
Fusion point/freezing point	: Not available.
Initial boiling point and interval boiling point	: Not available.
Combustion point	: Closed container: >100°C
Level of evaporation	: Not available.
Inflammability (solid, gas)	: Not available.
Upper/lower inflammability or explosiveness limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Insoluble in the following materials: cold water and hot water.
Partition coefficient n-octanol/water	: Not available.
Self-combustion temperature	: Not available.
Breaking down temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Comburent properties	: Not available.

9.2 Additional information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: There is no test information available regarding the reactivity of this product or its components.
10.2 Chemical stability	: This product is stable.
10.3 Possibility of dangerous reactions	: In conditions of normal storage and use, no dangerous reactions are produced.
Conditions that should be avoided	
10.4 be avoided	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous break down products	: In normal conditions of storage and use, no dangerous breaking down of products should occur.

SECTION 11: Toxicological information**11.1 Information on the toxicological effects****High toxicity**

Name of the product or ingredient	Results	Species	Dose	Exposure.
<input checked="" type="checkbox"/> Vinyltrimethoxysilane	DL50 Oral	Rate	7,120 mg/kg	-

Conclusion/summary : Not available.

Estimates of high toxicity

Route	ETA Value (estimated high toxicity according to GHS)
<input checked="" type="checkbox"/> Breathing in (vapor)	208 mg/l

Irritation/Corrosion

Conclusion/summary : Not available.

Increased Sensitivity

Conclusion/summary : Not available.

Mutagenesis

Conclusion/summary : Not available.

Carcinogenicity

Conclusion/summary : Not available.

Toxicity for reproduction

Conclusion/summary : Not available.

Teratogenicity

Conclusion/summary : Not available.

Information on possible ways of exposure : Not available.

Potentially high effects to health

Contact with the eyes : No significant effect or critical risks.

Breathing it in : Exposure to deteriorating products can produce health risks.
It is possible that serious risks arise after extended exposure.

Contact with the skin : No significant effect or critical risks.

Ingestion : No significant effect or critical risks.

Symptoms related with physical, chemical and toxicological characteristics

Contact with the eyes : No specific data.

Breathing it in : No specific data.

Contact with the skin : No specific data.

Ingestion : No specific data.

Delayed and immediate effects, such as chronic effects produced from a short or long term exposure**Short term exposure**

Possible immediate effects : Not available.

Possible delayed effects : Not available.

Long term exposure

Possible delayed effects : Not available.

Possible delayed effects : Not available.

Potentially chronic effects to health

Not available.

SECTION 11: Toxicological information

Conclusion/summary	: Not available.
General	: No significant effect or critical risks.
Carcinogenicity	: No significant effect or critical risks.
Mutagenesis	: No significant effect or critical risks.
Teratogenicity	: No significant effect or critical risks.
Effects of development	: No significant effect or critical risks.
Effects on fertility	: No significant effect or critical risks.

Additional information : Not available.

SECTION 12: Toxicological information**12.1 Toxicity**

Conclusion/summary : Not available.

12.2 Persistence and degradability

Conclusion/summary : Not available.

12.3 Bio-accumulation potential

Not available.

12.4 Ground mobility

Partition coefficient land/water (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results from PBT and mPmB

assessment PBT : Not applicable

mPmB : Not applicable

12.6 Other adverse effects : No significant effect or critical risks are known of.

SECTION 13: Considerations related to removal

The information provided in this section contains general suggestions and instructions. The list of Uses, identified in Section 1, should be reviewed for any available information of a specific use mentioned in Exposure Scenarios.

13.1 Methods for treating wastes**Product**

Methods for eliminating Dangerous Wastes

European Catalogue of Wastes (CER)

: Based on current information, the provider does not consider this product to be a dangerous waste, in light of Directive from the EU 91/689/EEC.

Waste code	Waste name
08 04 10	Waste from adhesives and sealants, different from the specifications of code 08 04 09

Packaging

Methods of removal : Avoid or minimize the creation of waste whenever possible Waste containers should be recycled. The burning or burying of containers should only be considered when recycling is not feasible.

Special warnings : Waste from the product and its containers should be eliminated with caution when possible. Empty or relined containers can hold product waste. Avoid the spreading of spilled material, any contact with the ground, waterways, drains and sewers.

SECTION 14: Information related to transportation

	ADR/RID	ADN	IMDG	IATA
14.1 ONU Number	Not regulated.	Not regulated.	Not regulated.	<input checked="" type="checkbox"/> Not regulated.
14.2 Official designation of transportation for the United Nations	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14.3 Class of danger for transportation	-	-	-	<input checked="" type="checkbox"/>
14.4 Packaging group	-	-	-	<input checked="" type="checkbox"/>
14.5 Danger to the environment	No.	<input checked="" type="checkbox"/> No.	<input checked="" type="checkbox"/> No.	<input checked="" type="checkbox"/> No.
Additional information	-	-	-	<input checked="" type="checkbox"/>

14.6 Specific warnings for users : **Transportation within the premises of users:** always transport in closed containers that are upright and secured. Ensure that the personnel who transport the product know what to do in the case of an accident or spill.

14.7 Bulk transportation with the agreement of annex II of the Marpol Convention 73/78 and the IBC Code : Not available.

SECTION 15: Regulation information

15.1 Regulations and legislation on security, health and the environment, specifically for the substance or mixture

[EU \(CE\) Regulation No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorization](#)

[Highly worrisome substances](#)

None of the components are listed. (REACH Article no. 33)

[Other regulations from the EU](#)

[Inventory of Europe](#) : All of the component are listed or are exempt.

[Other regulations](#)

[United States](#)

[Inventory of the United States \(TSCA 8b\)](#) : All of the component are listed or are exempt.

[California Prop. 65](#)

Name of ingredient	Cancer	Duplicator	Insignificant level of risk	Maximum acceptable level of dosage
No substance is listed				

[Canada](#)

[Inventory of Canada](#) : of the component are listed or are exempt.

[International Regulations](#)

SECTION 15: Regulation information

- International lists** : **Inventory of Substances for Australia (AICS)**: All of the components are listed or exempt.
Inventory of Chemical Substances for China (IECSC): Not determined.
Inventory of Substances for Japan: Not determined.
Inventory of Substances for Korea: Not determined.
Inventory of Malaysia (EHS Registry): Not determined.
Inventory of Chemicals of New Zealand (NZIoC): Not determined.
Inventory of Substances of the Philippians (PICCS): Not determined.
Inventory of Taiwan (CSNN): Not determined.

- 15.2 Evaluation of the chemical safety** : **No** assessment of the chemical safety has been carried out.

16. OTHER INFORMATION

Yes This shows the information that has changed since the previous version.

Abbreviations and acronyms

- : ETA = Estimated High Toxicity
 CLP = Regulation on Classification, Labelling and Packaging [Regulation (CE) No 1272/2008]
 DNEL = Non-Derived Effect Level
 EUH Indication = Risk Indication specific to CLP
 PNEC = Forecasted Concentration with No Effect
 RRN = Registration Number REACH

Complete text of H abbreviated phrases

- : **H226** Flammable liquids and vapors.
H315 Provokes skin irritation.
H318 Provokes severe eye damage.
H332 Damaging in the case it is inhaled.
 (breathing in)

Complete text of classification [CLP/SGA]

- : **Acute Tox. 4, H332** HIGH TOXICITY (breathing in) - Category 4
Eye Dam. 1, H318 SEVERE EYE DAMAGE OR EYE IRRITATION - Category 1
Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2, H315 SKIN CORROSION OR IRRITATION - Category 2

Complete text of R abbreviated phrases

- : **R70**- Flammable.
R20- Damaging if inhaled.
R41- Risk of severe eye damage.
R38- Irritates the skin.

Complete text of classifications [DSD/DPD]

- : Xn - Damaging
 Xi - Irritating

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Notice to reader

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