

REMAFIX 111 COMP. B

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date:19/05/2021 Revision date:11/05/2021 Supersedes:21/01/2019 Version: 1.4

SDS No: 00359-1277



SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture
Product name : REMAFIX 111 COMP. B
Product code : 525 1220, 525 1221, 525 1240

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Leveling compound

1.4. Supplier's details

Supplier

TIP TOP Oberflächenschutz Elbe GmbH
4 Heuweg
6886 Wittenberg - Germany
T +49(0)3491/635-50 - F +49(0)3491/635-552

Importer

REMA TIP TOP Australia Pty Ltd.
3 - 7 Ironbark Close
Warabrook NSW 2304 - Australia
T +61-2-4935-0200
www.rema-tiptop.com.au

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : +61-280735031, Infotrac/GBK GmbH-ID: 93591

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

2.2. Label elements

Hazard pictograms (GHS AU) :



Corrosion

Exclamation
mark

Signal word (GHS AU) :

Danger

Contains :

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine (< 15 %); 2,4,6-tris(dimethylaminomethyl)phenol (< 5 %); m-phenylenebis(methylamine) (< 5 %); Salicylic acid (< 5 %); Titanium dioxide ($\geq 1 - < 3$ %); Fatty acids, C18 unsaturated, trimers, reaction products with triethylenetetramine (< 5 %)

Hazard statements (GHS AU) :

H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS AU) :

P260 - Do not breathe vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local and national regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Comments : Mixture of the substances listed below with harmless additives.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Quartz	14808-60-7	≥ 25 – < 30	Not classified
Benzyl alcohol	100-51-6	< 15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	38294-64-3	< 15	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Aluminium oxide	1344-28-1	≥ 10 – < 15	Not classified
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317
m-phenylenebis(methylamine)	1477-55-0	< 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Salicylic acid	69-72-7	< 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Repr. 2, H361
Fatty acids, C18 unsaturated, trimers, reaction products with triethylenetetramine	162627-18-1	< 5	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methoxy-1-methylethyl acetate	108-65-6	< 5	Flam. Liq. 3, H226

Comments : Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Apply artificial respiration if breathing stopped. Administer oxygen if breathing is difficult. In the event of symptoms refer for medical treatment.
First-aid measures after skin contact	: Rinse skin with water/shower. Call a physician immediately.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Do not induce vomiting without medical advice.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

5.2. Special hazards arising from the substance or mixture

General measures	: In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Concerning personal protective equipment to use, see section 8.
Hazardous decomposition products in case of fire	: Nitrous gasses. Carbon monoxide. Carbon dioxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: 2X
Other information	: Cool containers / tanks with spray water if possible. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Concerning personal protective equipment to use, see section 8.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Shovel or sweep up and put in a closed container for disposal. Clean contaminated surface thoroughly.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep container tightly closed. Avoid contact with skin and eyes. Do not breathe vapours. Wear personal protective equipment.

Hygiene measures : Do not inhale vapour. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Incompatible materials : oxidizing materials. Amines. Acids. Bases.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

Special rules on packaging : Do not use zinc, aluminium or copper containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Quartz (14808-60-7)	
Australia - Occupational Exposure Limits	
Local name	Quartz [Silica – Crystalline]
OES TWA [1]	0.05 mg/m ³ respirable dust
Remark (AU)	Carcinogenicity Category 1A – Known to have carcinogenic potential for humans. The classification of a chemical into this category is based largely on human evidence from studies that have established a causal relationship between human exposure and the development of cancer.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
Aluminium oxide (1344-28-1)	
Australia - Occupational Exposure Limits	
Local name	Aluminium oxide (alpha-Alumina (Al ₂ O ₃))
OES TWA [1]	10 mg/m ³
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
m-phenylenebis(methylamine) (1477-55-0)	
Australia - Occupational Exposure Limits	
Local name	m-Xylene-alpha,alpha'-diamine (m-Xylylendiamine; 1,3-Benzenedimethanamine)
OES C	0.1 mg/m ³
Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

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2-methoxy-1-methylethyl acetate (108-65-6)

Australia - Occupational Exposure Limits

Local name	1-Methoxy-2-propanol acetate
OES TWA [1]	274 mg/m ³
OES TWA [2]	50 ppm
OES STEL	548 mg/m ³
OES STEL [ppm]	100 ppm
Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

Hand protection : This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves. Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber, Nitrile/cotton, Butyl rubber, Neoprene	6 (> 480 minutes)	0,7		

Eye protection : Protective goggles (EN 166). Eyewash bottle with clean water (EN 15154)

Skin and body protection : Long sleeved protective clothing. EN 368

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protective device with a gas filter

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A		EN 14387

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: White
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 1.90 g/cm ³ @ 20 °C
Solubility	: Water: Not miscible

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Log Pow	: No data available
Viscosity, dynamic	: Pasty
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 % VOC Directive 2004/42/EC - Decorative paints and varnishes
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No decomposition if stored normally.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reacts with: Acids. oxidizing materials. alkalis. Amines.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep out of direct sunlight.
Incompatible materials	: Oxidizing agent. Amines. acids and bases.
Hazardous decomposition products	: Nitrous fumes. Ammonia. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Benzyl alcohol (100-51-6)

LD50 oral rat	1620 mg/kg bw/day (Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Inconclusive, insufficient data)

2-methoxy-1-methylethyl acetate (108-65-6)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	35.7 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Other information	: Do not discharge into surface water. Prevent product from entering drains.

Benzyl alcohol (100-51-6)

LC50 fish 1	460 mg/l (LC50; EPA OPP 72-1; 96 h; Pimephales promelas; Static system; Fresh water; Experimental value)
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Benzyl alcohol (100-51-6)	
Log Pow	1.05

2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 fish 1	> 100 mg/l
EC50 - Other aquatic organisms [1]	> 500 mg/l
Log Pow	1.2

12.2. Persistence and degradability

REMAFIX 111 COMP. B	
Persistence and degradability	Not readily biodegradable.

Benzyl alcohol (100-51-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water. Mobility in soil: No data available.

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Not rapidly degradable	

2-methoxy-1-methylethyl acetate (108-65-6)	
Not rapidly degradable	

12.3. Bioaccumulative potential

REMAFIX 111 COMP. B	
Bioaccumulative potential	No data available.

Benzyl alcohol (100-51-6)	
Log Pow	1.05
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	1.2

12.4. Mobility in soil

REMAFIX 111 COMP. B	
Ecology - soil	No data available.

Benzyl alcohol (100-51-6)	
Surface tension	0.04 N/m (20 °C)
Log Pow	1.05

2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	1.2

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : Significantly hazardous to water.

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Fluorinated greenhouse gases	False

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Quartz (14808-60-7)	
Fluorinated greenhouse gases	False
Benzyl alcohol (100-51-6)	
Fluorinated greenhouse gases	False
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine (38294-64-3)	
Fluorinated greenhouse gases	False
Aluminium oxide (1344-28-1)	
Fluorinated greenhouse gases	False
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Fluorinated greenhouse gases	False
Salicylic acid (69-72-7)	
Fluorinated greenhouse gases	False
m-phenylenebis(methylamine) (1477-55-0)	
Fluorinated greenhouse gases	False
Fatty acids, C18 unsaturated, trimers, reaction products with triethylenetetramine (162627-18-1)	
Fluorinated greenhouse gases	False
2-methoxy-1-methylethyl acetate (108-65-6)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods	: Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal. Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
2735	2735	2735
14.2. UN proper shipping name		
AMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)	AMINES, LIQUID, CORROSIVE, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)	Amines, liquid, corrosive, n.o.s. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es)		
8	8	8

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14.4. Packing group

III - substances presenting low danger	III	III
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14.5. Environmental hazards

Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
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14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 2735
Special provision (ADG) : 223, 274
Limited quantities (ADG) : 5I
Packing instructions (ADG) : P001, IBC03, LP01
Portable tank and bulk container instructions (ADG) : T7
Portable tank and bulk container special provisions (ADG) : TP1, TP28

Transport by sea

UN-No. (IMDG) : 2735
Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG) : A

Air transport

UN-No. (IATA) : 2735
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A803
ERG code (IATA) : 8L

14.8. Hazchem or Emergency Action Code

Hazchem Code : 2X

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : All the chemicals contained in this product are listed introductions Inventory) status

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 11/05/2021

Classification	
Skin Corr. 1B	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
Aquatic Chronic 3	H412

Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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Full text of H-statements

H412

Harmful to aquatic life with long lasting effects.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.