

Safety Data Sheet

MAPEFLOOR FINISH 57 comp. A

Safety Data Sheet dated: 5/6/2019 - version 1



Section 1. Identification of the substance and supplier

Product identifier

Mixture identification:

Trade name: MAPEFLOOR FINISH 57 comp. A

Trade code: 906QA9997

Recommended use of the chemical and restrictions on use

Recommended use: Solvent free protective paint

Uses advised against: Data not available

Supplier's details

Company: MBP (NZ) Ltd. - 88 Carbine Road, Mount Wellington, Auckland 1060, New Zealand Email: enquiries@MBPLtd.co.nz

Website: www.MBPLtd.co.nz - Phone: +64 9 921 1994 (Mon-Fri 9am-5pm) - Fax: +64 9 921 1993

Emergency phone number

New Zealand Poisons Centre: Ph: 0800 764 766

Section 2. Hazards identification

HSNO hazard classification

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2017.

HSNO classification:

- | | |
|------|--|
| 6.5B | H317 - May cause an allergic skin reaction. |
| 6.8A | H360.G - May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed. |
| 9.1D | H401 - Toxic to aquatic life. |
| 9.1B | H411 - Toxic to aquatic life with long lasting effects. |

Hazard information

Pictograms and Signal Words



Danger

Hazard statements:

- | | |
|------|---|
| H317 | May cause an allergic skin reaction. |
| H360 | May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed. |
| H401 | Toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements:

- | | |
|-----------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P261 | Avoid breathing mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P321 | Specific treatment (see supplementary instructions on this label). |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P391 | Collect spillage. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with applicable regulations. |

Other hazards which do not result in a classification

No other hazards

Section 3. Composition/information on ingredients

Substances

N.A.

Mixtures

Mixture identification: MAPEFLOOR FINISH 57 comp. A

Hazardous components within the meaning of HSNO Act and related classification

Quantity	Name	Ident. Numb.	Classification
≥10 - <20 %	reaction mass of alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EC:400-830-7 Index:607-176-00-3	6.5B, H317; 9.1B, H411
≥2.5 - <5 %	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EC:915-687-0	6.5B, H317; 9.1A, H400; 9.1A, H410
≥0.49 - <1 %	dibutyltin dilaurate	CAS:77-58-7 EC:201-039-8 Index:050-030-00-3	6.1D (oral), H302; 8.2C, H314; 8.3A, H318; 6.5B, H317; 6.6B, H341; 6.8A, H360FD; 6.9A (Single exposure), H370; 6.9A (Repeated exposure), H372; 9.1A, H400; 9.1A, H410
≥0.25 - <0.49 %	dibutylbis(myristoyloxy)stannane	CAS:28660-67-5 EC:249-134-3	6.1D (oral), H302; 8.2C, H314; 8.3A, H318; 6.5B, H317; 6.6B, H341; 6.8A, H360FD; 6.9A (Single exposure), H370; 6.9A (Repeated exposure), H372; 9.1A, H400; 9.1A, H410

Section 4. First aid measures

Description of necessary first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Most important symptoms/effects, acute and delayed

N.A.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO₂).

Unsuitable extinguishing media:

- None in particular.

Specific hazards arising from the chemical

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: N.A.
- Explosive properties: N.A.
- Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Methods and materials for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Section 7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Section 8. Exposure controls/personal protection

Workplace Exposure Standards

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
reaction mass of alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-oxypoly(oxyethylene)		0,0023	Fresh Water		
		mg/l			
		0,00023	Marine water		
		3,06	Freshwater sediments		
		mg/kg			
		0,306	Marine water sediments		
		mg/kg			

	0,028 mg/l	Intermittent release
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0,0022 mg/l	Fresh Water
	0,00022 mg/l	Marine water
	0,009 mg/l	Intermittent release
	1,05 mg/kg	Freshwater sediments
	0,11 mg/kg	Marine water sediments
	0,21 mg/kg	Soil
	1 mg/l	Microorganisms in sewage treatments

Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
reaction mass of alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-hydroxypoly (oxyethylene) and alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-oxypoly (oxyethylene)		0,35 mg/m3		0,085 mg/m3	Human Inhalation	Long Term, systemic effects	
		0,5 mg/kg		0,25 mg/kg	Human Dermal	Long Term, systemic effects	
				0,025 mg/kg	Human Oral	Long Term, systemic effects	
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		2,5 mg/kg		1,25 mg/kg	Human Dermal	Short Term, systemic effects	
		2,35 mg/m3		0,58 mg/m3	Human Inhalation	Short Term, systemic effects	
		2,35 mg/m3		0,58 mg/m3	Human Inhalation	Long Term, systemic effects	
		2,5 mg/kg		1,25 mg/kg	Human Dermal	Long Term, systemic effects	
				1,25 mg/kg	Human Oral	Short Term, systemic effects	

Engineering Controls

N.A.

Personal Protective Equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

N.A.

Thermal Hazards:

N.A.

Section 9. Physical and chemical properties

Physical state: N.A.

Appearance and colour: liquid transparent

Odour: characteristic

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: >100 °C (>212 °F)

Flash point: N.A.

Flammability (Solid, Gas): N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour pressure: N.A.

Vapour density: N.A.

Relative density: N.A.

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Kinematic viscosity: N.A.

Particle characteristics: No Data Available

Section 10. Stability and reactivity

Reactivity

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

Section 11. Toxicological information

Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

reaction mass of alfa-3- a) acute toxicity LD50 Oral Rat > 5000 mg/kg

(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

LC50 Inhalation Rat > 5,8 mg/l 4h

LD50 Skin Rat > 2000 mg/kg

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

a) acute toxicity

LD50 Oral Rat = 3230 mg/kg

dibutyltin dilaurate

a) acute toxicity

LD50 Skin Rabbit > 2000 mg/kg

dibutylbis(myristoyloxy) stannane

a) acute toxicity

LD50 Oral Rat = 138 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

Section 12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
>=10 - <20 %	reaction mass of alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alfa-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EINECS: 400-830-7 - INDEX: 607-176-00-3	a) Aquatic acute toxicity : LC50 Fish = 2,8 mg/L 96

a) Aquatic acute toxicity : EC50 Daphnia = 4,0 mg/L 48

a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72

>=2.5 - <5 %	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EINECS: 915-687-0	a) Aquatic acute toxicity : EC50 Daphnia = 20 mg/L 24
			a) Aquatic acute toxicity : EC50 Algae = 0,22 mg/L 72
			a) Aquatic acute toxicity : LC50 Fish = 0,97 mg/L 96
			a) Aquatic acute toxicity : LC50 Fish = 7,9 mg/L 96
			a) Aquatic acute toxicity : LC50 Fish = 0,9 mg/L 96
			b) Aquatic chronic toxicity : NOEC Daphnia = 6,3 mg/L - 21 d
>=0.49 - <1 %	dibutyltin dilaurate	CAS: 77-58-7 - EINECS: 201-039-8 - INDEX: 050-030-00-3	a) Aquatic acute toxicity : LC50 Fish = 2 mg/L
			a) Aquatic acute toxicity : EC50 Daphnia = 2,28 mg/L

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

Section 13. Disposal considerations

Disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Special precautions to be taken during disposal

No Data Available

Section 14. Transport information

UN number

2788

UN proper shipping name

NZS-Shipping Name: ORGANOTIN COMPOUND, LIQUID, N.O.S.
 ADR-Shipping Name: ORGANOTIN COMPOUND, LIQUID, N.O.S.
 IATA-Technical name: ORGANOTIN COMPOUND, LIQUID, N.O.S.
 IMDG-Technical name: ORGANOTIN COMPOUND, LIQUID, N.O.S.

Transport hazard class(es)

NZS-Class: 6.1
 ADR-Class: 6.1
 IATA-Class: 6.1
 IMDG-Class: 6.1

Packing group, if applicable

NZS-Packing Group: III
 ADR-Packing Group: III
 IATA-Packing group: III
 IMDG-Packing group: III

Environmental hazards

Marine pollutant: Yes
 Environmental Pollutant: Yes

Special precautions for user

NZS-Subsidiary risks: (P)
 NZS-Special Dispositions: 43 223 274

Road and Rail (ADR-RID):

ADR-Label: 6.1
 ADR-Hazard identification number: 60
 ADR-Special Provisions: 43 274

ADR-Transport category (Tunnel restriction code): 2 (E)

Air (IATA):

IATA-Passenger Aircraft: 655

IATA-Cargo Aircraft: 663

IATA-Label: 6.1

IATA-Subrisk: -

IATA-Erg: 6L

IATA-Special Provisions: A3 A4 A6

Sea (IMDG):

IMDG-Stowage Code: Category A SW2

IMDG-Stowage Note: -

IMDG-Subrisk: -

IMDG-Special Provisions: 43 223 274

IMDG-EMS: F-A, S-A

Section 15. Regulatory information

HSNO Approval

HSNO approval number and group standard title:

HSR002670 - Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006

HSNO Controls

Certified Handler

No Data Available

New Zealand Inventory of Chemicals (NZIoC)

All components are listed on the NZIoC Inventory.

Regulatory references

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Hazardous Substances (Classification) Regulations 2001.

Labelling of Hazardous Substances: Hazard and Precautionary Information (January 2012 EPA0094).

Assigning a Product to a HSNO Approval (May 2013/Revised June 2014).

Section 16. Other information

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Code	Description
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects .
H360	May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed.
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs .
H372	Causes damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Description of the HSNO Classification codes used in section 2 or 3:

Code	Description
6.1D (oral)	Substances that are acutely toxic - Harmful (oral).
6.5B	Substances that are contact sensitisers.
6.6B	Substances that are suspected human mutagens.
6.8A	Substances that are known or presumed human reproductive or developmental toxicants.
6.9A (Repeated exposure)	Substances that are toxic to human target organs or systems (Repeated exposure).

6.9A (Single exposure)	Substances that are toxic to human target organs or systems (Single exposure).
8.2C	Substances that are corrosive to dermal tissue UN PGIII.
8.3A	Substances that are corrosive to ocular tissue.
9.1A	Substances that are very ecotoxic in the aquatic environment.
9.1B	Substances that are ecotoxic in the aquatic environment.
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

HSNO: Hazardous Substances and New Organisms Act 1996.