

## **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

## **SECTION 1: Identification**

#### 1.1. Product identifier

3M<sup>™</sup> Acryl-Green Spot Putty PN 05096

#### **Product Identification Numbers**

60-4550-4709-6

#### 1.2. Recommended use and restrictions on use

#### Recommended use

Automotive.

For Industrial or Professional use only

### 1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland

**Telephone:** (09) 477 4040

**E Mail:** innovation@nz.mmm.com

Website: 3m.co.nz

### 1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

### **SECTION 2: Hazard identification**

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

#### 2.1. Classification of the substance or mixture

GHS	HSNO		
Flammable Liquid: Category 2	3.1B Flammable Liquid		
Serious Eye Damage/Irritation: Category 2	6.4A Irritating to the eye		
Skin Corrosion/Irritation: Category 2	6.3A Irritating to the skin		
Reproductive Toxicity: Category 1B	6.8A Known/presumed human		

	reproductive/developmental toxicant			
Carcinogenicity: Category 2	6.7B Suspected human carcinogen			
Specific Target Organ Toxicity (repeated exposure):	6.9A Toxic to human target organs/systems			
Category 1				
Specific Target Organ Toxicity (single exposure):	6.9B Narcotic effects			
Category 3				
Acute Aquatic Toxicity: Category 2	9.1D Aquatic toxicity (acute)			
Chronic Aquatic Toxicity: Category 3	9.1C Aquatic toxicity (chronic)			

# 2.2. Label elements SIGNAL WORD

DANGER!

#### **Symbols:**

Flame | Exclamation mark | Health Hazard |









#### **HAZARD STATEMENTS:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.
H315 Causes skin irritation.

H360 May damage fertility or the unborn child.

H351 Suspected of causing cancer. H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure:

nervous system | respiratory system | sensory organs |

H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

## PRECAUTIONARY STATEMENTS

**Prevention:** 

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210A Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P240B Ground and bond container and receiving equipment.

P242A Use non-sparking tools.
P233 Keep container tightly closed.

P243A Take action to prevent static discharges.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.

P280A Wear eye/face protection.

P280B Wear protective gloves and eye/face protection.

P280E Wear protective gloves.

P270 Do not eat, drink or smoke when using this product. P264B Wash exposed skin thoroughly after handling.

**Response:** 

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.

P337 + P313

If eye irritation persists: Get medical advice/attention.
P302 + P352

IF ON SKIN: Wash with plenty of soap and water.
P332 + P313

If skin irritation occurs: Get medical advice/attention.
P362 + P364

Take off contaminated clothing and wash it before reuse.
P308 + P313

IF exposed or concerned: Get medical advice/attention.
P321

Specific treatment (see Notes to Physician on this label).

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P370 + P378G In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry

chemical or carbon dioxide to extinguish.

P303 + P361 + P353A IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with applicable

local/regional/national/international regulations.

## **SECTION 3: Composition/information on ingredients**

Ingredient	CAS Nbr	% by Weight
Talc	14807-96-6	15 - 40
Toluene	108-88-3	10 - 30
Titanium dioxide	13463-67-7	7 - 13
Acrylic Polymers	Trade Secret	7 - 13
Magnesium carbonate	546-93-0	3 - 7
Butan-1-ol	71-36-3	1 - 5

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

#### Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

## Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

A product risk assessment is recommended to determine if eye wash facilities may be required when using this product in the workplace.

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

#### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## **SECTION 5: Fire-fighting measures**

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

#### 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

#### **5.4. Hazchem code:** -3YE

## **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

## **6.2.** Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## **SECTION 7: Handling and storage**

Refer to Section 15 - Controls for more information

#### 7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

#### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidising agents.

#### 7.3. Certified handler

Not required

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient Toluene	CAS Nbr 108-88-3	Agency ACGIH	Limit type TWA:20 ppm	Additional comments A4: Not class, as human
Totuette	100-00-3	ACGIH	1 w A.20 ppiii	carcinogin
Toluene	108-88-3	New Zealand WES	TWA(8 hours): 188 mg/m3 (50 ppm)	Skin
Titanium dioxide	13463-67-7	ACGIH	TWA:10 mg/m <sup>3</sup>	A4: Not class. as human carcinogin
Titanium dioxide	13463-67-7	New Zealand WES	TWA(8 hours):10 mg/m3	_
Dust, inert or nuisance	14807-96-6	New Zealand WES	TWA(as inhalable dust)(8 hours):10 mg/m3	
Talc	14807-96-6	ACGIH	TWA(respirable fraction):2 mg/m3	A4: Not class. as human carcinogin
Talc	14807-96-6	New Zealand WES	TWA(as respirable dust)(8 hours):2 mg/m3	-
Magnesium carbonate	546-93-0	New Zealand WES	TWA(8 hours):10 mg/m3	
Butan-1-ol	71-36-3	ACGIH	TWA:20 ppm	
Butan-1-ol	71-36-3	New Zealand WES	CEIL: 150 mg/m3 (50 ppm)	Skin

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines New Zealand WES : New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

#### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Provide appropriate local exhaust ventilation for sanding, grinding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

#### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Indirect vented goggles.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended: Fluoroelastomer

Polyethylene

Polyvinyl alcohol (PVA).

#### **Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical stateLiquid.Specific Physical Form:Paste

ColourGreenOdourSolvent

Odour thresholdNo data available.pHNot applicable.Melting point/Freezing pointNo data available.

**Boiling point/Initial boiling point/Boiling range** >=93.3 °C

Flash point 17.2 °C [Test Method:Closed Cup]

**Evaporation rate** *No data available.* 

\_\_\_\_

Flammability (solid, gas)

Not applicable.

Flammable Limits(LEL) 1 % Flammable Limits(UEL) 13 %

**Vapour pressure** <=186,158.4 Pa [@ 55 °C ] [Details:MITS data]

**Vapour density No data available. Density**1.46 - 1.6 g/ml

**Relative density** 1.46 - 1.6 [*Ref Std:* WATER=1]

Water solubility N

Solubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity200,000 - 400,000 mPa-s

**Volatile organic compounds (VOC)**420 g/l [Test Method:calculated SCAQMD rule 443.1] **Volatile organic compounds (VOC)**27.5 % weight [Test Method:calculated per CARB title 2]

**Percent volatile** 27.6 % weight

VOC less H2O & exempt solvents 421 g/l [Test Method:calculated SCAQMD rule 443.1]

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

#### 10.2 Chemical stability

Stable.

## 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

#### 10.4 Conditions to avoid

Sparks and/or flames.

Heat.

#### 10.5 Incompatible materials

Strong acids.

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

SubstanceConditionCarbon monoxide.Not specified.Carbon dioxide.Not specified.Toxic vapour, gas, particulate.Not specified.

## **SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

#### 11.1 Information on Toxicological effects

#### Signs and Symptoms of Exposure

#### Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

#### Skin contact

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

#### Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

#### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

#### **Additional Health Effects:**

#### Single exposure may cause target organ effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

#### Prolonged or repeated exposure may cause target organ effects:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests. Ocular effects: Signs/symptoms may include blurred or significantly impaired vision. Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Olfactory effects: Signs/symptoms may include decreased ability to detect odours and complete loss of smell. Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate.

#### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

#### **Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### **Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation- Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Talc	Dermal		LD50 estimated to be > 5,000 mg/kg
Talc	Ingestion		LD50 estimated to be > 5,000 mg/kg
Toluene	Dermal	Rat	LD50 12,000 mg/kg
Toluene	Inhalation- Vapor (4 hours)	Rat	LC50 30 mg/l
Toluene	Ingestion	Rat	LD50 5,550 mg/kg

## 3M<sup>TM</sup> Acryl-Green Spot Putty PN 05096

Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-	Rat	LC50 > 6.82 mg/l
	Dust/Mist		
	(4 hours)		
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Magnesium carbonate	Dermal	Professio	LD50 estimated to be 2,000 - 5,000 mg/kg
		nal	
		judgeme	
		nt	
Magnesium carbonate	Ingestion	Rat	LD50 > 2,000 mg/kg
Butan-1-ol	Dermal	Rabbit	LD50 3,402 mg/kg
Butan-1-ol	Inhalation-	Rat	LC50 24 mg/l
	Vapor (4		
	hours)		
Butan-1-ol	Ingestion	Rat	LD50 2,290 mg/kg

ATE = acute toxicity estimate

## **Skin Corrosion/Irritation**

Name	Species	Value
Talc	Rabbit	No significant irritation
Toluene	Rabbit	Irritant
Titanium dioxide	Rabbit	No significant irritation
Magnesium carbonate	In vitro	No significant irritation
	data	
Butan-1-ol	Rabbit	Mild irritant

**Serious Eye Damage/Irritation** 

Name	Species	Value
Talc	Rabbit	No significant irritation
Toluene	Rabbit	Moderate irritant
Titanium dioxide	Rabbit	No significant irritation
Magnesium carbonate	Rabbit	Mild irritant
Butan-1-ol	Rabbit	Severe irritant

## **Skin Sensitisation**

Name	Species	Value
Toluene	Guinea	Not classified
	pig	
Titanium dioxide	Human	Not classified
	and	
	animal	
Butan-1-ol	Human	Not classified

**Respiratory Sensitisation** 

Name	Species	Value
Talc	Human	Not classified

**Germ Cell Mutagenicity** 

Name	Route	Value
Talc	In Vitro	Not mutagenic
Talc	In vivo	Not mutagenic
Toluene	In Vitro	Not mutagenic
Toluene	In vivo	Not mutagenic
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	In vivo	Not mutagenic
Butan-1-ol	In vivo	Not mutagenic

Butan-1-ol	In Vitro	Some positive data exist, but the data are not
		sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Talc	Inhalation	Rat	Some positive data exist, but the data are not
			sufficient for classification
Toluene	Dermal	Mouse	Some positive data exist, but the data are not
			sufficient for classification
Toluene	Ingestion	Rat	Some positive data exist, but the data are not
			sufficient for classification
Toluene	Inhalation	Mouse	Some positive data exist, but the data are not
			sufficient for classification
Titanium dioxide	Ingestion	Multiple	Not carcinogenic
		animal	
		species	
Titanium dioxide	Inhalation	Rat	Carcinogenic.

## **Reproductive Toxicity**

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Talc	Ingestion	Not classified for development	Rat	NOAEL 1,600 mg/kg	during organogenesis
Toluene	Inhalation	Not classified for female reproduction	Human	NOAEL Not available	occupational exposure
Toluene	Inhalation	Not classified for male reproduction	Rat	NOAEL 2.3 mg/l	1 generation
Toluene	Ingestion	Toxic to development	Rat	LOAEL 520 mg/kg/day	during gestation
Toluene	Inhalation	Toxic to development	Human	NOAEL Not available	poisoning and/or abuse
Butan-1-ol	Ingestion	Not classified for female reproduction	Rat	NOAEL 5,000 mg/kg/day	premating & during gestation
Butan-1-ol	Inhalation	Not classified for male reproduction	Rat	NOAEL 18 mg/l	6 weeks
Butan-1-ol	Inhalation	Not classified for development	Rat	NOAEL 10.6 mg/l	during gestation

## Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Toluene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Toluene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Toluene	Inhalation	immune system	Not classified	Mouse	NOAEL 0.004 mg/l	3 hours
Toluene	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
Butan-1-ol	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Butan-1-ol	Inhalation	respiratory irritation	May cause respiratory irritation	official classifica tion	NOAEL Not available	
Butan-1-ol	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	

## Specific Target Organ Toxicity - repeated exposure

## 3M<sup>TM</sup> Acryl-Green Spot Putty PN 05096

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Talc	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Talc	Inhalation	pulmonary fibrosis   respiratory system	Not classified	Rat	NOAEL 18 mg/m3	113 weeks
Toluene	Inhalation	auditory system   eyes   olfactory system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	nervous system	May cause damage to organs though prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Toluene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 2.3 mg/l	15 months
Toluene	Inhalation	heart   liver   kidney and/or bladder	Not classified	Rat	NOAEL 11.3 mg/l	15 weeks
Toluene	Inhalation	endocrine system	Not classified	Rat	NOAEL 1.1 mg/l	4 weeks
Toluene	Inhalation	immune system	Not classified	Mouse	NOAEL Not available	20 days
Toluene	Inhalation	bone, teeth, nails, and/or hair	Not classified	Mouse	NOAEL 1.1 mg/l	8 weeks
Toluene	Inhalation	hematopoietic system   vascular system	Not classified	Human	NOAEL Not available	occupational exposure
Toluene	Inhalation	gastrointestinal tract	Not classified	Multiple animal species	NOAEL 11.3 mg/l	15 weeks
Toluene	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 625 mg/kg/day	13 weeks
Toluene	Ingestion	heart	Not classified	Rat	NOAEL 2,500 mg/kg/day	13 weeks
Toluene	Ingestion	liver   kidney and/or bladder	Not classified	Multiple animal species	NOAEL 2,500 mg/kg/day	13 weeks
Toluene	Ingestion	hematopoietic system	Not classified	Mouse	NOAEL 600 mg/kg/day	14 days
Toluene	Ingestion	endocrine system	Not classified	Mouse	NOAEL 105 mg/kg/day	28 days
Toluene	Ingestion	immune system	Not classified	Mouse	NOAEL 105 mg/kg/day	4 weeks
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
Titanium dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
Butan-1-ol	Inhalation	blood	Not classified	Rat	NOAEL 0.3 mg/l	3 months
Butan-1-ol	Inhalation	auditory system	Not classified	Human	NOAEL Not available	occupational exposure
Butan-1-ol	Inhalation	liver   kidney and/or bladder   respiratory system	Not classified	Guinea pig	NOAEL Not available	3 months
Butan-1-ol	Inhalation	nervous system	Not classified	Rat	NOAEL 9.09 mg/l	13 weeks
Butan-1-ol	Ingestion	blood	Not classified	Rat	NOAEL 500 mg/kg/day	13 weeks

### **Aspiration Hazard**

rispir ation mazara	
Name	Value
Toluene	Aspiration hazard
Butan-1-ol	Some positive data exist, but the data are not sufficient for classification

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

## **SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

#### 12.1. Toxicity

#### Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 2 (HSNO 9.1D Aquatic toxicity) Chronic Aquatic Toxicity: Category 3 (HSNO 9.1C Aquatic toxicity)

No product test data available.

Material	CAS Number	Organism	Туре	Exposure	Test endpoint	Test result
Talc	14807-96-6		Data not			
			available or			
			insufficient for			
			classification			
	108-88-3	Coho Salmon	Experimental	96 hours	LC50	5.5 mg/l
	108-88-3	Fish other	Experimental	96 hours	LC50	6.41 mg/l
	108-88-3	Green Algae	Experimental	72 hours	EC50	12.5 mg/l
	108-88-3	Water flea	Experimental	48 hours	EC50	3.78 mg/l
Toluene	108-88-3	Coho salmon	Experimental	40 days	NOEC	3.2 mg/l
Toluene	108-88-3	Water flea	Experimental	7 days	NOEC	0.74 mg/l
Titanium	13463-67-7	Diatom	Experimental	72 hours	EC50	>10,000 mg/l
dioxide						
	13463-67-7	Fathead	Experimental	96 hours	LC50	>100 mg/l
dioxide		minnow				
	13463-67-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
dioxide						
	13463-67-7	Diatom	Experimental	72 hours	NOEC	5,600 mg/l
dioxide						
	546-93-0	Fathead	Estimated	96 hours	LC50	1,880 mg/l
carbonate		minnow				
	546-93-0	Green algae	Estimated	72 hours	EC50	>100 mg/l
carbonate						
	546-93-0	Water flea	Estimated	48 hours	LC50	486 mg/l
carbonate		_				
	546-93-0	Green algae	Estimated	72 hours	NOEC	100 mg/l
carbonate						
	546-93-0	Water flea	Estimated	21 days	Effect	284 mg/l
carbonate					Concentration	
D . 1 .1	51.060	D1 '11	<b>D</b>	0.61	10%	100 //
	71-36-3	Bluegill	Experimental	96 hours	LC50	100 mg/l
	71-36-3	Crustecea other	_	96 hours	LC50	2,100 mg/l
	71-36-3	Green Algae	Experimental	96 hours	EC50	225 mg/l
	71-36-3	Water flea	Experimental	48 hours	EC50	>500 mg/l
	71-36-3	Green Algae	Experimental	72 hours	NOEC	180 mg/l
Butan-1-ol	71-36-3	Water flea	Experimental	21 days	NOEC	4.1 mg/l

### 12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Talc	14807-96-6	Data not availbl-insufficient			N/A	
Toluene	108-88-3	Experimental Photolysis		Photolytic half- life (in air)	5.2 days (t 1/2)	Other methods
Toluene	108-88-3	Experimental Biodegradation	20 days	BOD	80 % weight	
Titanium dioxide	13463-67-7	Data not availbl-insufficient			N/A	
Magnesium carbonate	546-93-0	Data not availbl-insufficient			N/A	
Butan-1-ol	71-36-3	Experimental Biodegradation	19 days	Dissolv. Organic Carbon Deplet	98 % weight	OECD 301E - Modified OECD Scre

#### 12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Talc	14807-96-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Toluene	108-88-3	Experimental Bioconcentrati on		Log Kow	2.73	Other methods
Titanium dioxide	13463-67-7	Experimental BCF-Carp	42 days	Bioaccumulatio n factor	9.6	Other methods
Magnesium carbonate	546-93-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Butan-1-ol	71-36-3	Experimental Bioconcentrati on		Log Kow	0.88	Other methods

## 12.4. Mobility in soil

Please contact manufacturer for more details

#### 12.5 Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

## 13.1. Disposal methods

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical

substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

## **SECTION 14: Transport Information**

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport

UN No.: UN1263

**Proper Shipping Name: PAINT RELATED MATERIAL** 

Class/Division: 3
Sub Risk: Not applicable.
Packing Group: II

**Special Instructions:** Limited quantity may apply

**Hazchem Code: -3YE** 

**IERG: 14** 

International Air Transport Association (IATA) - Air Transport

UN No.: UN1263

**Proper Shipping Name: PAINT RELATED MATERIAL** 

Class/Division: 3
Sub Risk: Not applicable.
Packing Group: II

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

**UN No.:** UN1263

**Proper Shipping Name: PAINT RELATED MATERIAL** 

Class/Division: 3
Sub Risk: Not applicable.
Packing Group: II

Marine Pollutant: Not applicable.

Special Instructions: Limited quantity may apply

## **SECTION 15: Regulatory information**

HSNO Approval number HSR002669

Group standard name Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

HSNO Hazard classification Refer to Section 2: Hazard identification

### NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

#### Controls in accordance with the Health and Safety at Work (Hazardous Substances) Regulations 2017

Certified handler Not required

Location Compliance Certificate 100 L (closed containers greater than 5 L) 250 L (closed containers up to and

including 5 L) 50 L (open containers)

Hazardous atmosphere zone 100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L

(open containers in continuous use)

Fire extinguishers Two required for 250 L

Emergency response plan 1,000 L (for all other substances) Secondary containment 1,000 L (for all other substances)

Tracking Not required

#### 3M<sup>TM</sup> Acryl-Green Spot Putty PN 05096

Warning signage

250 L (for all other substances)

## **SECTION 16: Other information**

#### **Revision information:**

Complete document review.

Document group:	27-0721-4	Version number:	3.00
Issue Date:	29/03/2020	Supersedes date:	06/10/2015

#### Key to abbreviations and acronyms

**GHS** means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013 **HSNO** means Hazardous Substances and New Organisms Act 1996

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