



Designer Concrete Slip Resistance Additive

Safety Data Sheet according to WHS and ADG requirements:

Issue Date: 24 February 2017

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier:

Product Name:	Designer Concrete Slip Resistance Additive
Product Code:	Not Available
Other means of identification:	Dragothene HD

Relevant identified uses of the substance or mixture and uses advised against:

Slip hazard reduction material mixed with co-polymer acrylic concrete sealers used to augment slip resistance on concrete flatwork surfaces usually associated with hilly residential locations and/or exposed concrete flatwork surfaces susceptible to pedestrian slip hazard when wet.

Details of the supplier of the safety data sheet:

Registered Company Name:	Designer Concrete Coatings Pty Ltd
Address:	19 Liverpool Street, Ingleburn, NSW, 2565, Australia
Telephone:	+61 2 9829 3311
Fax:	+61 2 9829 3544
Website:	www.designerconcrete.com.au
Email:	sales@designerconcrete.com.au

Emergency telephone number:

Association / Organisation:	Not Available
Emergency telephone number:	Australia: 1300 134 624 (AEST Mon-Fri)
Other emergency telephone numbers:	New Zealand: +64 9 966 7564 (NZST Mon-Fri)

SECTION 2: HAZARDS IDENTIFICATION

This material is not classified as hazardous according to health criteria of Safe Work Australia

Signal Word: **Not Applicable:** GHS Label Elements: **Not Applicable:**

Hazard Classification:

Flammable Liquids – Not Applicable
Aspiration Hazard – Not Applicable
Skin Corrosion / Irritation – Not Applicable
Serious eye damage / irritation – Not Applicable
Toxic to reproduction – Not Applicable
Specific Target Organ Toxicity (Single Exposure) – Not Applicable
Specific Target Organ Toxicity (Repeated Exposure) – Not Applicable
Poisons Schedule Aust – Not Applicable

Hazard Statement(s)

H225	Not Applicable
H304	Not Applicable
H315	Not Applicable
H318	Not Applicable
H336	Not Applicable
H361	Not Applicable
H373	Not Applicable

Precautionary Statement(s) Prevention

P102	Keep out of reach of children
P103	Read label before use
P201	Obtain special instruction before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from all source of ignition – No smoking
P233	Keep container tightly closed
P240	Not Applicable
P241	Not Applicable
P242	Not Applicable
P243	Not Applicable
P260	Do not breath dust
P264	Wash hands, face and all exposed skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective clothing, gloves, eye / face protection and suitable respirator as required

Precautionary Statement(s) Response

P101	If medical advice is needed, have product container or label on hand
P301+310	If SWALLOWED: Immediately call Poison Centre or doctor/physician
P331	Do NOT induce vomiting
P302+352	If ON SKIN: Wash with soap and water
P303+361+353	If ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312	Call POISON CENTRE or doctor / physician if you feel unwell
P305+351+338	If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P363	Wash contaminated clothing before re-use
P337+313	If eye irritation persists seek medical advice / attention
P370+378	In CASE OF FIRE: Water fog, foam or dry agents for extinguishment

Precautionary Statement(s) Storage

P405	Store locked-up
P403+235	Not Applicable

Precautionary Statement(s) Disposal

Poisons Schedule:	Not Applicable
P501	Dispose of contents / container in accordance with local, regional, national and international regulations

DANGEROUS GOODS CLASSIFICATION:

NOT classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail; and, the New Zealand NZS5433: Transport of Dangerous Goods on Land"

CLASS: Not Applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity:	CAS No.	Proportion (%w/w)
Polyethylene	9002-88-4	100%
		<hr/> 100%

SECTION 4: FIRST AID MEASURES

**If Poisoning occurs, contact a doctor or Poisons Information Centre (131 126 Australia); or,
(0800 764 766 New Zealand)**

Inhalation:

Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen (if safe to do so) through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice: Call 000 ambulance emergency.

Skin Contact:

For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). If swelling, redness or irritation occurs, seek medical assistance.

Eye Contact:

If in eyes wash out immediately with large amount of water. Seek medical attention.

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give glass of water to drink. Do NOT give anything by mouth to an unconscious patient. If vomiting occurs, give additional water to drink. Seek immediate medical advice.

PPE for First Aiders:

Wear overalls, safety glasses and impervious gloves. Use with aquatic ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make final assessment. Always wash hands before smoking, eating or drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Medical Attention:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES:

Extinguishing Media:**Suitable Extinguishing Equipment:**

If material is involved in a fire use alcohol-resistance foam, standard foam or Dry agent (Dry Chemical Powder, CO2).

Specific Hazards:

Flammable material

Fire Fighting Further Advice:

If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burring, may emit toxic fumes. Fire fighters should wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Special Protective Equipment and Precautions for Fire Fighters:

Wear breathing apparatus when fighting fire.

Hazchem Code: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES:

Minor Spill:

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent material (clean rags or paper towels); sweep or vacuum – avoid generating dust; or, absorb with sand, sawdust or earth. Collect in drums and arrange for disposal by a competent contractor in accordance with local regulations.

Major Spill:

Prevent further leakage or spillage if safe to do so. Slip hazard when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of respiratory dust. Work up-wind or increase ventilation. Contain spills – prevent run-off into drains and waterways. Use absorbent material (soil, sand or other inert material) or vacuum... Collect and seal in properly labelled containers or drums for disposal by competent contractor in accordance with local regulations. If contamination of drains, sewers or waterways occurs, immediately advise local emergency services and EPA.

Dangerous Goods – Initial Emergency Response Guide Not Applicable

SECTION 7: HANDLING AND STORAGE:

Precaution(s) for Safe Handling:

This product is combustible under extreme fire conditions... Avoid sources of naked flames. Avoid skin and eye contact and inhalation of dust

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in SECTION 10. Store away ignition sources. Keep containers closed when not in use – check regularly for leaks.

This material is **NOT classified as a Dangerous Good** under the criteria of Australian Dangerous Goods Code.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION:

Control Parameters:

Chemical Entity	TWA ¹		STEL ²	
	ppm	mg/m ³	ppm	mg/m ³
Inspirable Dust	-	10	-	-

¹Time Weighted Average concentration

²Short-Term Exposure Limit.

These exposure guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentration of dust. They are not a measure of relative toxicity. If the direction for use stated on the product label is followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers' routinely, potentially exposed during product manufacture.

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. DO NOT enter confined spaces where dust may have collected. Keep containers closed when not in use.

Exposure Controls:**Personal Protection Equipment (PPE).****G: OVERALL; SAFETY SHOES; SAFETY GLASSES; GLOVES; RESPIRATOR.**

PPE: Wear overalls, chemical safety glasses/goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour / particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for

intermittent contact. However, due to variations in glove construction and local conditions the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene Measures:

Keep away from foodstuffs, drink and animal foodstuffs & feeding troughs. When using the material, do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Property	Unit of Measurement	Typical Value
Appearance	Not Applicable	Various colour solid
Odour	Not Applicable	Not Applicable
Solubility	Not Applicable	Insoluble in water
Vapour Pressure @ 25°C	kPa	Not Applicable
Boiling Point	°C	Not Applicable
% Volatile by Volume	%	Not Applicable
Melting Point / Range	°C	Not Available

Auto Ignition Temperature	°C	Not Available
Decomposition Point	°C	Not Available
Flash Point	°C	Not Available
Density @ 25°C	g/ml	Not Available
Flammability Limits	% (v/v)	Not Available
Volatile Content	% (w/w)	Not Applicable
Specific Gravity (70°C)	°C	0.957

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No reactivity hazards are known for the material. Refer to Section 7.

Chemical Stability:

This material is thermally stable when stored and used in accordance with this Safety Data Sheet and directions on the product label.

Conditions to Avoid:

Elevated temperature. Sources of heat and ignition. Open flames. Refer to Section 7.

Incompatible Materials:

Incompatible with oxidising agents. Refer to Section 7

Hazardous Decomposition Products:

Oxides of carbon and nitrogen; Smoke and other toxic fumes. Refer to Section 5.

Hazardous Reactions:

No Known hazardous reaction. Refer to Section 7.

SECTION 11: TOXICOLOGICAL INFORMATION:

No adverse health effects expected if the product is used and handled in accordance with this Safety Data Sheet and directions on the product label. Symptoms or health effects that may or will arise if the product is mishandled and overexposure occurs are:

Acute Effects:**Ingestion:**

Swallowing can result in nausea, vomiting and irritation to the gastrointestinal tract.

Eye Contact:

The material may cause eye irritation. Exposure to dust may cause discomfort due to particulate nature.

Skin Contact:

Contact with skin may or will result in irritation. Open cuts, abraded or irritated skin should not be exposed to this material.

Inhalation:

The material may be an irritant to mucous membranes and respiratory tract. Inhalation hazard is increased at higher dust generation levels.

Acute Toxicity:**Inhalation:**

This material has been classified as non-hazardous

Acute toxicity estimate (based on ingredients) : >20 mg/L

Skin Contact:

This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients) : >2000 mg/Kg

Ingestion:

This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients) : >2000mg/Kg

Corrosion / Irritancy:

Eye: This material has been classified as not corrosive or irritating to eyes. **Skin:** This material has been classified as not corrosive or irritating to skin

Sensitisation:

Inhalation: This material has been classified as not a respiratory sensitiser. **Skin:** This material has been classified as not a skin sensitiser.

Aspiration Hazard:

This material has been classified as non-hazardous.

Specific Target Organ Toxicity (Single Exposure):

This material has been classified as non-hazardous

Chronic Toxicity:**Mutagenicity:**

This material has been classified as non-hazardous.

Carcinogenicity:

This material has been classified as non-hazardous.

Reproductive Toxicity:

This material has been classified as non-hazardous.

Specific Target Organ Toxicity (Repeated Exposure):

This material has been classified as non-hazardous.

SECTION 12: ECOLOGICAL INFORMATION:

Avoid contaminating waterways.

Acute Aquatic Hazard:

This material has been classified as non-hazardous
Acute toxicity estimate (based on ingredients) : >100 mg/L

Long-Term Aquatic Hazard:

This material has been classified as non-hazardous

Ecotoxicity:

No information is available to complete an assessment.

Persistence and Degradability:

No information is available.

Bioaccumulation Potential:

No information is available.

Mobility:

No information is available

SECTION 13: DISPOSAL CONSIDERATIONS:

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate Personal Protection Equipment is used. Refer to Section 8. Exposure Controls and Personal Protection PPE.

Refer to Waste Management Authority. Dispose of waste material through a licensed waste contractor. Advise flammable nature...

If possible, waste material and container should be recycled. If waste material and container cannot be recycled, disposal must be in accordance with local, national and international regulations.

SECTION 14: TRANSPORT INFORMATION:

Road & Rail Transport:

Classified as NOT a Dangerous Goods by criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land.

UN No:	Not Applicable
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Proper Shipping Name:	Polyethylene
DG Class:	Not Applicable
Subsidiary Risk:	Not Applicable
Packaging Group:	Not Applicable
Hazchem Code:	Not Applicable
Initial Emergency Response Guide:	Not Applicable

Not to be loaded with explosives (Class 4); Flammable gasses (Class 2.1), if both are in bulk: Toxic gasses (Class 2.3); Spontaneous combustible substances (Class 4.2); Oxidising agents (Class 5.1); Organic peroxides (Class 5.2); or, Radioactive substances (Class 7) albeit some exemptions may apply.

Marine Transport:

Classified as NOT Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code.

UN No:	Not Applicable
Proper Shipping Name:	Polyethylene
DG Class:	Not Applicable
Packaging Group:	Not Applicable

Air Transport:

Classified as NOT Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for Transport by Air.

UN No:	Not Applicable
Proper Shipping Name:	Polyethylene
DG Class:	Not Applicable
Packaging Group:	Not Applicable

SECTION 15: REGULATORY INFORMATION:

This material is NOT subject to the following International Agreements:

Montreal Protocol (Ozone Depleting Substances)
The Stockholm Convention (Persist Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)

This material / constituent(s) are covered by the following requirements:

- All the constituents of this material are listed on the *Australian Inventory of Chemical Substances* (AICS).

SECTION 16: OTHER INFORMATION:

Revision Requirement: Information updates of all sections to comply with Code of Practice Safe Work Australia December 2011.

Abbreviations:

ADG: Australian Code for Transport of Dangerous Goods by Road and Rail.

CAS Number: Chemical Abstracts Number.

HMIS: Hazardous Materials Identification System.

TWA: Time - Weighted Average airborne concentration over an 8-hour working day, for 5-day working week over an entire working life.

STEL: Short-Terms Exposure Limit; the average airborne concentration over a 15-minute period which should NOT be exceeded at any time during a normal -8-hour working day.

Disclaimer:

This Safety Data Sheet (SDS) has been prepared to the best belief of the manufacturer as to its accuracy and reliability as at the date of issue. No warranty expressed or implied is made as to its full reliability or completeness but is considered the appropriate information required by the user in the context of how the product must be handled and used in the workplace and including in conjunction with other products or materials present. Since the manufacturer cannot anticipate or control the conditions under which this information may or will be used, it is the user's responsibility to determine the safety, risk and fitness-for-purpose of the product under the conditions and environment where the product is intended to be used; and, responsibility to ensure that the SDS issue date is current. This information given is a non-controlled document and Designer Concrete Coatings Pty Ltd shall not be liable for personal injury or property damage associated with use or misuse of the product.