Resitech
ETERNAL LIFE TO PLASTICS

SDS

ROOT GARD

SECTION 1—IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Identifier	Rootgard
Other means of identification	Root barrier, HDPE Sheet, RG.
Recommended use of the chemical and restrictions on use	For the prevention of unwanted intrusion of tree or plant roots and moisture movement in house, kerb and road foundations.
Details of the manufacturer or importer	Resitech Resins Pty Ltd 5 Priority Street WACOL 4076 +61 7 3879 4409
Emergency phone number	+61 402 428 211

SECTION 2—HAZARD(S) IDENTIFICATION

This material is not hazardous according to the health criteria of Safe Work Australia.

This material is not classified as dangerous goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 3—COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION
High Density Polyethylene (HDPE)	9002-88-4	98%
Carbon Black	1333-86-4	2%

SECTION 4—FIRST AID MEASURES

Inhalation	Unlikely due to physical form of material.
Skin Contact	Risk of mechanical injury only, wear abrasion resistant gloves during handling and use.
Eye contact	Risk of mechanical injury only, wear safety glasses during handling and use.
Ingestion	Unlikely due to physical form of material. Low order of toxicity. Seek medical advice if material is swallowed.

SECTION 5—FIREFIGHTING MEASURES

HAZCHEM Code	Not regulated
Suitable extinguishing equipment	If material is involved in a fire us a dry agent such as carbon dioxide extinguisher or dry chemical powder extinguisher.
Specific Hazards	May add to the intensity of a fire. May emit fumes if involved in fire.
Special protective Equipment and precautions for firefighters	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (including fire fighting helmet, coast, trousers, boots and gloves).

SECTION 6—ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedure	Spilled rolls of material are a trip hazard and will roll away. Ensure rolls of material are chocked and restrained to prevent rolling away or unwanted unravelling. Keep away from sources of ignition and flame.
Environmental precautions	Please dispose of any offcuts responsibly. Clean offcuts or unused rolls can be returned to the manufacturer for recycling.
Methods and materials for containment and cleaning up.	Place offcuts into a bin or box to prevent smaller pieces from blowing away or otherwise being left behind.

SECTION 7—HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

Handling	Avoid mechanical injury to eyes and skin by wearing safety glasses, abrasion resistant gloves and long sleeve shirt and trousers.

	Do not burn or expose the material to excessive heat.
Storage	Store in a cool dry place out of direct sunlight. Store away from sources of heat or ignition. Secure rolls from toppling or rolling with strapping or chocks.

SECTION 8—EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standard	No exposure standard or limits apply to this material.
Biological Monitoring	No biological monitoring is required for this material.
Control Band	No control band is applicable to this material.
Engineering Controls	No engineering controls are applicable to this material.
Personal Protective Equipment	Safety glasses and Abrasion resistant gloves.

SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Roll of black plastic sheet
Odour	Nil when cold
pH	Not applicable
Melting point	>200°C
Flash point	>260°C
Flammability Limits	Not applicable
Specific Gravity	0.95
Solubility in water	Not applicable
Autoignition Temperature	>300°C

SECTION 10—STABILITY AND REACTIVITY

Reactivity	May add to the intensity of a fire.
Chemical stability	This product is stable when stored and used as directed.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to avoid	Flames and sources of ignition. Accumulation of electrostatic charge. Strong oxidising agents.
Incompatible materials	No data available
Hazardous decomposition products	Carbon monoxide, aldehydes, acetic acid.

SECTION 11—TOXICOLOGICAL INFORMATION

Acute toxicity	This material has been classified as non-hazardous.
Skin corrosion/irritation	This material has been classified as non-hazardous.
Serious eye damage/irritation	This material has been classified as non-hazardous.
Respiratory or skin sensitisation	This material has been classified as non-hazardous.
Germ cell mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproduction toxicity	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (STOT)-single exposure	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (STOT)-repeated exposure	This material has been classified as non-hazardous.
Aspiration hazard	This material has been classified as non-hazardous.
Possible routes of exposure	Contact with skin during handling or use.
Early onset symptoms related to exposure	This material has been classified as non-hazardous.
Delayed health effects from exposure	This material has been classified as non-hazardous.
Exposure levels and health effects	This material has been classified as non-hazardous.
Interactive effects	This material has been classified as non-hazardous.
Mixtures of chemicals	This material has been classified as non-hazardous.

Other Information	None.
SECTION 12—ECOLOGICAL INFORMATION	
Ecotoxicity	Information not available.
Persistence and degradability	Information not available.
Bioaccumulative potential	Information not available.
Mobility in soil	Information not available.
Other adverse effects	Information not available.
SECTION 13—DISPOSAL CONSIDERATIONS	
Disposal methods	Product can be fully recycled if returned to manufacturer in a clean and unused state. HDPE is a readily recyclable plastic in Australia and this product should be considered for recycling prior to disposal at landfill.
SECTION 14—TRANSPORT INFORMATION	
UN number	Not classified as dangerous goods.
Proper shipping name or technical name	Rootgard
Transport hazard class	Not classified as dangerous goods.
Packing Group	Not classified as dangerous goods.
Environmental hazards for transport purposes	Not classified as dangerous goods.
Special precautions for user	Not classified as dangerous goods.
Additional Information	Not classified as dangerous goods.
Hazchem or Emergency Action Code.	Not classified as dangerous goods.
SECTION 15—REGULATORY INFORMATION	
There are no safety, health or environmental regulations for this material.	
SECTION 16—ANY OTHER RELEVANT INFORMATION.	
Date of preparation or review	29/10/2019