

## GENERAL INSTRUCTIONS

### EQUIPMENT MAINTENANCE AND USAGE

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

### COMPATIBILITY

The product may be mixed with Dicamba, Flowable Diuron, Glean®, Gramoxone®, Propon®, Atrazine, Spray-Seed®, Picloram and Tribunex®.

### RESISTANT WEED WARNING

Imtrade Smash 625 Selective Herbicide is a member of the Phenoxy group of herbicides. Imtrade Smash 625 Selective Herbicide has the Disruptors of plant cell growth mode of action. For weed resistance management, Imtrade Smash 625 Selective Herbicide is a Group I Herbicide. Some naturally occurring weed biotypes resistant to Imtrade Smash 625 Selective Herbicide and other disruptors of plant cell growth herbicides may exist through normal genetic variability in any weed population. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Imtrade Smash 625 Selective Herbicide or other disruptors of plant cell growth herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of Imtrade Smash 625 Selective Herbicide to control resistant weeds.

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**DO NOT** spray in high winds. **DO NOT** spray cereals if lucerne is present. **DO NOT** spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result.

**Drift Warning:** **DO NOT** use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site. **DO NOT** apply with smaller than coarse to very coarse spray droplets according to ASAE S572 definition for standard nozzles. **DO NOT** apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/ crops, cropping lands or pastures. Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, fruit trees, vegetables, legume crops and pastures, oilseed crops and susceptible trees (eg. Kurrajongs, Belahs and Eucalypts).

### PROTECTION OF LIVESTOCK

Low hazards to bees. May be applied at any time as recommended in the Directions for Use.

### PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND ENVIRONMENT

**DO NOT** contaminate streams, rivers or waterways with the chemical or used containers.

# CAUTION

**KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**



## IMTRADE SMASH 625 SELECTIVE HERBICIDE

**ACTIVE CONSTITUENT:  
625 g/L 2,4-D present as the  
DIMETHYLAMINE and DIETHANOLAMINE SALTS**

**GROUP I HERBICIDE**



For the control of broadleaved weeds in fallow before direct drilling or sowing of cereal and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

**This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.**

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING THE PRODUCT.**

Imtrade Australia Pty Ltd  
ABN 13 090 151 134  
17 Ocean Street, Kwinana WA 6167  
Tel: 1800 171 799 Fax: 1800 171 788  
Web: www.imtrade.com.au



### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. **DO NOT** store for prolonged periods in direct sunlight.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. **DO NOT** inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26.

### MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet which can be obtained from your supplier or Imtrade Australia Pty Ltd website [www.imtrade.com.au](http://www.imtrade.com.au)

### CONDITIONS OF SALE

Imtrade Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

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**NOT CLASSIFIED AS DANGEROUS GOODS FOR  
TRANSPORT BY ROAD AND RAIL**

Batch No:

Date of Manufacture:

**CONTENTS 5L APVMA APPROVAL NO: 63282/5/1008**

**CONTENTS 10L APVMA APPROVAL NO: 63282/10/1008**

## GENERAL INSTRUCTIONS

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### COMPATIBILITY

The product may be mixed with Dicamba, Flowable Diuron, Glean®, Gramoxone®, Propon®, Atrazine, Spray-Seed®, Picloram and Tribunex®.

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**DO NOT** spray in high winds. **DO NOT** spray cereals if lucerne is present. **DO NOT** spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result.

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# CAUTION

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## IMTRADE SMASH 625 SELECTIVE HERBICIDE

**ACTIVE CONSTITUENT:  
625 g/L 2,4-D present as the  
DIMETHYLAMINE and DIETHANOLAMINE SALTS**

**GROUP I HERBICIDE**



For the control of broadleaved weeds in fallow before direct drilling or sowing of cereal and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

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specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**Refillable Containers:** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**Envirodrum 110L Mini Bulk Returnable Container:** Store the original sealed Envirodrum in a cool well ventilated area. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Imtrade Australia Pty Ltd.

### SAFETY DIRECTIONS

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Batch No:

Date of Manufacture:

**CONTENTS 20L** APVMA APPROVAL NO: 63282/20/1008

**CONTENTS 110L** APVMA APPROVAL NO: 63282/110/1008

**CONTENTS 200L** APVMA APPROVAL NO: 63282/200/1008

**CONTENTS 1000L** APVMA APPROVAL NO: 63282/1000/1008

## CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# IMTRADE SMASH 625

## SELECTIVE HERBICIDE

**ACTIVE CONSTITUENT:**  
**625g/L 2,4-D present as the DIMETHYLAMINE and DIETHANOLAMINE SALTS**

**GROUP I HERBICIDE**

For the control of broadleaved weeds in fallow before direct drilling or sowing of cereal and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

**This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, rapes, tomatoes, oilseed crops and ornamentals.**

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING THIS PRODUCT**

**APVMA Approval No: 63282/1008**

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**DIRECTIONS FOR USE****Restrains:**

**DO NOT** spray if rain seems likely within 6 hours or if strong winds prevail.

**DO NOT** apply if weeds or crop are stressed due to dry or excessively moist conditions.

**1. FIELD CROPS**

<b>CROP</b>	<b>WEEDS</b>	<b>STATE</b>	<b>RATE</b>	<b>CRITICAL COMMENTS</b>
WHEAT	Refer to Weed Table	NSW, ACT, SA only	320 mL-1.7L/ha	Apply after the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller (NSW, SA only). Apply from tillering to boot stage (Vic only). Apply from mid-tillering to before the boot stage (Qld only). Apply at 5 leaf to fully tillered (Tas only)
		Vic only	225 mL-1.4L/ha	
		Qld only	560 mL-1.4L/ha	
		Tas only	800 mL-1.4L/ha	
BARLEY		NSW, ACT, SA only	320 mL-1.4L/ha	
		Vic only	225 mL-1.4L/ha	
		Qld only	560 mL-1.4L/ha	
		Tas only	800 mL-1.4L/ha	
CEREAL RYE, TRITICALE	NSW, ACT, SA only	320 mL-1.4L/ha		
	Vic only	225 mL-1.4L/ha		
OATS	NSW, SA only	320 mL-800 mL/ha		
	Vic only	225 mL- 800 mL/ha		

## 1. FIELD CROPS continued

CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
CEREALS Wheat, Oats, Barley	Cape Tulip	WA only	640 mL-1.3L/ha	Apply from the 5-leaf stage up to jointing stage (Zadoks 15-33). Apply after the 6-leaf stage (Z.16) for Cranbrook, Jacup, arrona, and spear wheat and Mortlock oats to avoid possible damage. <b>DO NOT</b> spray if lucerne is present. <b>Weed Stage:</b> 10-15cm. Docks should be sprayed before the 5-leaf stage. Cape Tulip low rate for cormils only.
	Dock, Flatweed, Saffron Thistle		1.1L/ha	
	Indian Hedge Mustard, London Rocket, Lupin, Matricaria, Rapistrum, Wild Radish		800 mL/ha	
	Wild Turnip		640 mL/ha	
	Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip		200 mL/ha plus 500 mL/ha Flowable Diuron (500g/L)	
WHEAT, BARLEY	Wild Radish	NSW, ACT, Vic, SA only	80 mL/ha plus 850g/ha Tribunex® Herbicide	Spray 2-6 weeks after sowing and not later. <b>DO NOT</b> use on crops undersown with Lucerne.

## 1. FIELD CROPS continued

CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
FALLOW STUBBLE Spray prior to Direct Drilling or sowing - Winter Cereals, Grain legumes (Peanuts – Qld only) and Canola	Refer to Weed Table	All States	225 mL- 1.7/ha	Observe plant back periods given in the table on this leaflet. Can be tank-mixed with Glean®, Gramoxone 250®, or Spray Seed® where grasses are present. Select appropriate rate from the Weed Table. For skeleton weed spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.
MILLETT		NSW, SA, ACT, Vic only	560 mL- 1.1L/ha	Spray when secondary roots have developed, when fully tillered and before heads start to form at the base of the tillers. <b>DO NOT</b> use on panorama millet or panicum.
		Qld Only	560 mL- 900 mL/ha	
SACCALINE, BROOM MILLET, MILLET	Cape Tulip, Dock, Indian Hedge Mustard, London Rocket, Lupins, Radish, Rapistrum, Wild Turnip, Saffron Thistle	WA Only	1.1L/ha	Spray when crop is 10-30cm high and secondary roots have developed and before tasselling. Apply as a directed spray to weeds.

**1. FIELD CROPS continued**

CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
SUGAR CANE (Q80, Q96 & H56 varieties)	Bellvine	Qld, NSW only	280 mL/100L water	Apply in Spring using directed spray.
	Morning Glory		560 mL-1.1L/ha	Apply in Summer using high clearance tractor.
	Pink Convolvulus, Star of Bethlehem		1.1L/ha	Apply in autumn by aircraft.
SUGAR CANE	Bindy Eye (Star Burr), Blue Top (Blue Heliotrope), Cobblers Pegs, Needle Burr, Spear Thistle, Convolvulus Vines, Fleabanes, Ipomoea Vines, Jute, Leucas, Water Primrose	Qld Only	1.8 – 3.5L/ha	Add 60-120 mL of Surfactant 600 @, to 100L spray mixture. Agitate well. <b>DO NOT</b> use on Q63, Q67, Q80 or Q96 varieties.
	Blue Snakeweed, Chinese Mint		3.5L/ha	

## 1. FIELD CROPS continued

CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
PEANUTS	Broadleaf weeds except Noogoora Burr, Grasses except Mossman Burr	Qld only	1.8 – 3.5L/ha	<b>Lower rate:</b> Apply as a BAND SPRAY as soon as possible after planting in a 55cm band. <b>Higher rate:</b> apply as OVERALL SPRAY after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence.
Harvest Aid or Salvage Spray -Winter Cereals	Dessicate broadleaf weeds	All States	1.2 – 1.7L/ha	Apply after dough stage.
BANANAS	To destroy Banana suckers	Qld only	160 mL/10L water	Inject at the rate of 15 mL per fully grown plant, 10 mL per medium sized plant and 5 mL for small suckers.
COMMON STYLO forage or seed crops	Refer to Weed Table	Qld only	800 mL/ha	Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old.
CARIBBEAN STYLO forage or seed crops			800 mL – 1.6L/ha	Apply post-emergence when crop is 3 weeks old.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
PASTURES And Non- Agricultural	Refer to Weed Table	NSW, Qld, SA, ACT, Tas only	560 mL- 1.7L/ha	Pasture legumes including lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred.
	Galvanised Burr	NSW, ACT only	320 mL/100L water	Apply to young actively growing weeds. Ensure thorough and even coverage of plants. <b>NOTE:</b> Treated plants need to be burnt to destroy seeds.
	Amsinckia, Docks, Bindweed, Caltrop, Flatweed, Spear Thistle, Capeweed, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse, Heliotrope, Ragwort, Threecornered Jack (Doublegee, Spiny Emex)	WA only	1.1 - 2.4L/ha	For pastures not containing legumes. Only seedling docks, Spear Thistle and Saffron Thistle will be controlled. <b>Summer Weeds:</b> Use low rate for seedlings, 1.6-2.4L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts are present, particularly Heliotrope. <b>Winter Weeds:</b> Use low rate for seedlings, 1.6-2.4L/ha for large plants. If stock present, use spray/grazing rates.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
PASTURES And Non- Agricultural (contd)	Afghan Melons	WA only	1.6L/ha + 1% Crop Oil	Spray when plants are actively growing preferably before flowering or vining.
	Paddy Melons		800 mL- 1.1L/ha	
	Prickly Saltwort (Roly Poly)		1.6L/ha	Spray when plants are small.
	Stinkwort		1.6-3.2L/ha plus surfactant	Best results are obtained when plants are small. Use high rate on larger plants.
	Dove Weed		3.2L/ha	Spray after good emergence of seedlings.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial	Mother of Millions	NSW only	400 mL/100L Water	Hand-gun and Knapsack only. A thorough coverage of leaves and plantlets is necessary. Use Spraymate Chemwet 1000® at the rate of 1 mL of surfactant per 1L of mixture.
	Boxthorn, Boneseed, Hawthorn	Vic, SA only	80 mL/10L Water	Spot spraying. For boneseed only, thoroughly wet plants or seedlings.
			undiluted	Cut stump: Apply or paint undiluted Imtrade Smash 625 Selective Herbicide to freshly cut stumps.
	Groundsel	NSW, Qld, ACT, SA only	950 mL/15L Water	<b>MISTING:</b> Lightly wet plants.
			320 mL/100L Water	<b>HIGH VOLUME:</b> Thoroughly wet plants.
		Tas only	240 mL/15L Water	<b>CUT STUMP:</b> Swab the cut stump immediately. Apply by a pouring can or Knapsack spray.
		Qld, NSW, ACT, SA, Tas only	2.9-4.4L/ha	<b>AERIAL APPLICATION:</b> Spray when Groundsel is actively growing.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial (contd)	Lantana	NSW, Qld, ACT, SA only	320 mL/100L Water	Use a coarse spray with sufficient pressure to penetrate canopy and wet stems as well as foliage. Spray at the end of a wet summer (March to May). Defoliation should occur but respraying of new growth will be necessary in following Autumn, Broadcast grass seed and keep stock off following summer to allow the pasture to establish. Damage may result to pasture legumes.
	Noogoora Burr, Scarlet Pimpernel (seedlings only), Weir Vine (Ipomea), White Eye (Mexican Clover)	Qld only	160 mL/100L Water	In all cases apply to young, actively growing weeds, ensuring thorough coverage.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pastures, Rights of Way and Industrial (contd)	Annual & Perennial Pigweed, Artichoke, Thistle, Bathurst Burr, Billygoat Weed, Blue Snakeweed, Burr Medic, Cockweed,* Fleabanes, Galvanised Burr, Hemlock, Hoary Cress,** Kyalinga Weed, Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse (Salvation Jane), Saffron Thistle, Starburr, Thornapple, Variegated Thistle*	Qld Only	320 mL/100L water	In all cases apply to young, actively growing weeds, ensuring thorough coverage. * Spray rosette stage. **Repeat spraying if necessary.
	Rubber Vine	Qld Only	160 mL/10L Water	Apply to freshly cut stump.
	Sesbania Pea		560 - 900 mL/ha	
	Water Hyacinth		3.5-5.3L/ha	Apply to 2200 to 3300L Water/ha.
	Wild Tobacco Tree		240 mL/15L Water	<b>CUT STUMP TREATMENT:</b> Swab cut stump within one hour of cutting. Apply by pouring can or knapsack sprayer.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Conservation Tillage Direct Drilling, Surface Sowing or Fallow Maintenance	Charlock, Mustards, Shepherds purse, Saffron, Slender, Spear and Variegated Thistles, Turnip Weed, Wild Radish, Wild Turnip	All States	560 mL- 1.6L/ha	Apply to actively growing young plants. Before sowing: Observe plant back periods given in the table on this leaflet. <b>* Warning: Treated plants may become toxic to stock.</b>
	Clover, Sorrel		1.1L/ha plus 280-400 mL/ha of Dicamba 500	Apply to actively growing plants in Autumn. <b>DO NOT</b> sow pasture seed for at least 30 days after application.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pasture Spray Graze Techniques				<b>*PRECAUTIONS.</b> An increased quantity of poisonous plants may be eaten by stock using Spray-Graze eg Caltrop, Capeweed, Paterson's Curse, Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's curse, preferable graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. <b>DO NOT</b> graze horses or pigs on Paterson's Curse.
	Amsinckia, Capeweed, Docks, Doublegee, Erodium, Mustards, Paterson's Curse (Salvation Jane), Thistles, Geranium, Wild Radish, Wild Turnip	SA Only	560 mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying, stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows sign of overgrazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2 to 3 years for complete control.
	Annual Thistles, Capeweed, Geranium, Mustards, Patersons Curse (Salvation Jane), Slender Thistle, Spear Thistle, Three cornered Jack (Doublegee, Spiny Emex), Turnip, Saffron Thistle	Tas, Vic only		

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pasture Spray Graze Techniques (contd)				<b>*PRECAUTIONS.</b> An increased quantity of poisonous plants may be eaten by stock using Spray-Graze eg caltrop, capeweed, patersons curse, variegated thistle and deaths could result from causes such as nitrate poisoning. With Patersons curse, preferable graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. <b>DO NOT</b> graze horses or pigs on Patersons curse.
	Amsinckia, Docks (Seedlings only), Capeweed, Mustards, Threecornered Jack (Doublegee, Spiny Emex), Wild Radish Wild Turnip, Patersons Curse, Annual Thistles	WA Only	600-800 mL/ha	Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying, stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows sign of overgrazing. Then return to normal stocking levels. Use high stocking rates in following spring to prevent weeds from flowering. Repeat treatments may be required for 2 to 3 years for complete control.
	Saffron Thistle, Spear Thistle		1.2L/ha	Apply to saffron thistle at the end of September when plants are running up to flower. Sub-clovers may be damaged at this rate and use is not recommended for all medic pastures.
	Melons		1.6L + 1% oil	Heavy stocking on young plants sprayed with 800 mL/ha provides effective control.

## 2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS continued

CROP	WEED	STATE	RATE	CRITICAL COMMENTS
Pasture Spray Graze Techniques (contd)				<b>*PRECAUTIONS.</b> An increased quantity of poisonous plants may be eaten by stock using Spray-Gaze eg Caltrop, Capeweed, Paterson's Curse, Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's Curse, preferable graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. <b>DO NOT</b> graze horses or pigs on Paterson's curse.
	Docks	Vic only	1.1L/ha	Apply in September only and follow other recommendations as above.
	Caltrop, Capeweed, Charlock, Mustards, Patterson's Curse (Salvation Jane), Spear Thistle, Saffron Thistle, Shepherds Purse, Slender Thistle, Turnip Weed, Variegated Thistle, Wild Radish, Wild Turnip	NSW, ACT only	280 mL 1.1L/ha	Spray actively growing 6-8 week old weeds. Introduce stock 7-10 days after spraying, preferably sheep (cattle are less effective). Stocking rate should be at least 5 times heavier than normal until weeds have been reduced, but before survival of desirable pasture species is threatened. Lucerne and medics may be damaged and should be grazed short before spraying. Other legumes may be affected.
Lawns, Playing Fields	Refer to Weed Table	Qld, NSW only	1.5-3 mL/1L of water or 1.6-3.2L/ha	Wet foliage thoroughly. <b>DO NOT</b> mow lawn for 1 week before and at least 1 week after application.
		WA only	40 mL per 10-15L Water/ 100m <sup>2</sup>	<b>DO NOT</b> use on Buffalo grass, (WA only)

### 3. SPOT SPRAYING

<b>CROP</b>	<b>WEED</b>	<b>STATE</b>	<b>MIXING RATES/ COMMENTS</b>
High Volume Spraying	Refer to Weed Table	All States	Add 1/10 <sup>th</sup> of rate on weed table to 150L of water. Each 150L of mix will cover 1000m <sup>2</sup> (1/10 <sup>th</sup> ha). Eg. If rate in weed table is 1.4L use 140 mL/150L of water.
Knapsack Application	Refer to Weed Table	All States	Add 1/100 <sup>th</sup> of rate on weed table to 10L of water. Each 10L of mix will cover 100m <sup>2</sup> (1/100 <sup>th</sup> ha). Eg. If rate in weed table is 1.4L use 14 mL/10L of water.

**MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE INCLUDING TOLERANCE FOR UNDERSOWN LEGUMES**

CROP	Qld	NSW, ACT	Victoria		SA	WA Tillered to Boot (Z15-35)	Tas Tillered to Boot (Z15-35)
			Early Tillering	Tillered Boot Stage			
Cereal Rye					1.4L/ha		
Wheat	1.8L/ha	1.7L/ha	225 mL/ha	1.4L/ha	1.7L/ha	1.7L/ha	1.7L/ha
Barley	1.4L/ha	1.4L/ha	225 mL/ha	1.4L/ha	1.4L/ha	1.4L/ha	1.4L/ha
Oats	-	800 mL/ha	225 mL/ha	800 mL/ha	900 mL/ha	1.3L/ha	-
Triticale	-	1.4L/ha	225 mL/ha	-	1.4L/ha	1.7L/ha	800 mL/ha
Undersown Clovers	-	-	225 mL/ha		-	680 mL/ha	560 mL/ha
Undersown Medics	-	-	225 mL/ha	-	-	NIL	560 mL/ha
Undersown Lucerne	-	-	225 mL/ha	-	-	NIL	-

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORIZED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIOD:**

**PASTURE AND CEREAL CROPS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.**

**HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.**

**IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.**

## WEED TABLE

**NOTE:** Where weeds are to be sprayed in a crop or pasture, use only the rates given for the crop in the Directions for Use table above. In most cases this will give control, however, some hard to kill weeds may only be suppressed. Rates listed in the weeds table are for use where weeds only are present and no crop or pasture is involved. Use at these rates in a crop or pasture, other than spot spraying, may cause damage. This product should only be used in those States where a rate or range of rates is indicated for the particular weeds listed.

### WEEDS TABLE (showing rate per hectare)

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Amaranthus spp	900 mL	560 mL -1.1L	-	-	-	-	-	-	Spray young plants.
Amsinckia	-	-	-	-	1.1L	-	-	-	
Apple of Peru	900 mL	560 mL -1.1L	-	-	-	-	-	-	Spray young plants. Susceptible when young.
Bathurst Burr	900 mL	800 mL- 1.1L	-	1.7- 2.2L	-	-	800 mL -1.1L	-	Spray seedlings only.
Bellvine	1.8L	1.8L	-	-	-	-	-	-	Spray before seeding. Advanced stages susceptible.
Billygoat Weed	3.4L	3.4L	-	-	-	-	-	-	Spray at young stage

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Bindweed	-	-	-	-	1.1L	-	-	-	
Blackberry Nightshade	900 mL	560 mL -1.1L	-	-	-	-	-	-	
Black Eyed Susan	1.8L	1.8L	-	-	-	-	-	-	Apply at pre-flowering, preferably young stages.
Blue Snakeweed	1.8L	1.8L	-	-	-	-	-	-	Spray seedlings at young stages only.
California Burr	900 mL	800 mL- 1.1L	-	-	-	-	800 mL- 1.1L	-	Spray seedlings only
Cape Tulip	-	-	-	-	640 mL- 1.3L	-	-	-	Low rate for cormils only
Capeweed	-	-	1.4L	1.7L	1.1L	1.4L	1.7- 2.8L	1.7- 2.8L	Spray seedlings to rosette stage.
Caltrop	900 mL	800 mL- 1.7L	-	-	1.1L	-	-	-	Moderately Susceptible

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Castor Oil Plant	3.4L	3.4L	-	-	-	-	-	-	Spray at young stage.
Charlock	-	560 mL-1.1L	560 mL-800 mL	560 mL	-	1.4L	800 mL-1.1L	800 mL-1.1L	Spray at rosette stage.
Clover	-	1.2L	-	-	-	-	-	-	
Cobblers Pegs	1.8L	1.8L	-	-	-	-	-	-	Apply at pre-flowering, preferably young stages.
Common Ice Plant	-	-	-	1.1L	-	-	-	-	
Common Sida	1.8L	1.8L	-	-	-	-	-	-	Spray seedling or young stages only.
Common Sowthistle	1.8L	1.8L	-	-	-	1.4L	-	-	Apply at pre-flowering, preferably young stages.
Docks	1.4L	-	1.4L	1.4L	1.1L	1.4L	-	3.2L	Spray at multiple leaf stage effective only on seedlings.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Doveweed	-	-	-	-	1.1L	-	-	-	
Fat Hen	900 mL	560 mL -1.7L	-	-	-	1.4L	-	-	Spray at pre-flowering.
Flannel Weed	1.8L	1.8L	-	-	-	-	-	-	Spray seedlings or young stages only
Flat weed	-	-	-	-	1.1L	-	-	-	
Fumitory-white	-	-	800 mL	560 mL	-	-	-	-	Spray at multiple leaf stage.
Heliotrop	-	-	-	-	1.1L	-	-	-	
Hexham Scent (King Island Melilot)	1.4L	-	1.4L	1.1L	-	-	1.1-1.7L	1.1-1.7L	Spray at multiple leaf stage before seeding.
Hoary Cress	1.4L	1.1-1.7L	900 mL-1.4L	1.4L	-	-	1.4-1.7L	1.4-1.7L	Spray rosettes and pre-flowering.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Hogweed/ Wireweed	1.4L	-	1.4L	-	-	-	-	-	Spray at multiple leaf stage (Vic)
									Spray at seedling and young plant stage (Qld)
Horehound	-	-	-	1.4L	-	-	-	2.2-3.2L	Spray seedlings.
Indian Hedge Mustard	-	-	-	-	1.1L	1.4L	-	-	
Khaki Weed	-	-	-	-	-	-	1.1-2.2L	-	Spray seedlings only.
Knobweed	1.8-3.4L	-	-	-	-	-	-	-	Lower rate for seedlings: higher rate for later stages.
Lincoln Weed	-	-	-	1.7L	-	-	-	-	Spray early rosettes.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
London Rocket	-	-	-	-	1.1L	-	-	-	
Lupins	-	800 mL-1.7L	-	-	1.1L	-	-	-	
Melons Camel, Paddy	-	560 mL 1.1 L	-	-	-	-	-	-	
Mexican Poppy	1.4L	-	-	-	-	-	-	-	Spray seedlings plants become more resistant with age.
Mintweed	900 mL	1.1L	-	-	-	-	-	-	Spray seedlings resistant in later stages.
Morning Glory	1.8L	1.8L	-	-	-	-	-	-	Spray at seedling to flowering stage.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Mustards	900 mL	560 mL-1.1L	225-560 mL	560 mL-1.4L	800 mL	-	560 mL-1.1L	560 mL-1.1L	Spray at 2 leaf up to rosette stage.
Needle Burr	1.8L	1.8L	-	-	-	-	-	-	Apply at pre flowering, preferably young stages.
New Zealand Spinach	-	1.1-1.7L	-	-	-	-	-	-	
Noogoora Burr	900 mL	800 mL-1.1L	-	-	-	-	800 mL-1.1L	-	Spray seedlings only.
Paterson's Curse (Salvation Jane)	1.4L	1.1-1.7L	-	-	1.3L	-	1.7-2.2L	1.7-2.2L	Spray rosettes or before plants have 10 leaves. Later stages are harder to kill.
Pinkburr (Pink Flowered Burr)	1.8L	1.8L	-	-	-	-	-	-	Spray seedling or young stages only.
Potato Weed	900 mL	560 mL-1.1L	-	-	-	-	-	-	

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Purpletop	3.4L	3.4L	-	-	-	-	-	-	Spray at young stage.
Radish	-	-	-	-	1.1L	-	-	-	
Ragwort	-	-	-	-	1.1L	3.8L	-	-	Spray up to early rosette stage (Tas only)
Rapeseed	-	800 mL-1.7L	-	-	-	-	-	-	
Rapistrum	-	-	-	-	1.1	-	-	-	
Rough Poppy	-	1.1L	-	-	-	-	-	-	
Safflower	-	560 mL-1.1L	-	-	-	-	-	-	
Shepherds Purse	-	1.1 1.7L	-	-	-	1.4L	800 mL-1.1L	800 mL-1.1L	Spray young rosettes.
Sirato (Purple Bean)	1.8L	1.8L	-	-	-	-	-	-	Spray seedling or young stages only.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Skeleton Weed	-	1.1 1.7L	1.4L	1.4L	-	-	-	-	Spray rosettes before aerial growth commences.
Sorrel	-	1.7L	1.4L	1.4L	-	-	-	-	Only moderately susceptible.
Speedwell (Ivy Leaf)	-	-	-	1.1L	-	-	-	-	
Spinyhead Sida	1.8L	1.8L	-	-	-	-	-	-	Spray seedling or young stages only.
Starburr	1.8L	1.8L	-	-	-	-	-	-	Spray before seeding, advanced stages susceptible.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Spiny Emex	1.4L	-	-	-	-	-	-	-	Only young plants are susceptible.
Star of Bethlehem (Cupids Flower)	1.8L	-	-	-	-	-	-	-	Spray before seeding, advanced stages susceptible.
Stinkwort	-	800 mL-1.4L	-	-	-	-	-	-	
Storksbill/ Erodium	-	-	-	-	-	1.4L	1.6-3.2L	1.6-3.2L	Spray seedlings to young rosettes.
Sunflower (Seedlings)	900 mL	560 mL-1.4L	1.4L	-	-	-	-	-	

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Thistles									
– Annual	-	-	-	-	1.1L	-	-	-	
– Californian	-	-	-	-	-	2.7L	3.2-3.8L	3.2-3.8L	Repeated applications may be necessary. NSW and Tas only.
– Saffron	1.4L	560 mL-1.7L	1.1L	1.4L	1.1L	950 mL	1.1-1.7L	1.1-1.7L	Low rate only sufficient to control weeds in crop at rosette stage when sprayed early.
– Slender/ Shore	-	800 mL-1.7L	-	-	-	1.4L	1.1L	1.1L	Suppression only.
– Soldier	-	-	1.4L	-	-	-	1.1-1.6L (Qld only)	1.1-1.6L	Spray young rosette.
– Spear	-	-	560 mL	-	-	1.4L	1.1-1.6L	1.1-1.6L	Spray young rosette.
– Star	-	-	-	-	-	-	-	1.6-3.2L	Use higher rate as flower stalk appears.
– Variegated	900 mL	560 mL-1.7L	-	-	-	1.4L	1.1-1.7L	1.1-1.7L	Spray at rosette stage.

**WEEDS TABLE (showing rate per hectare)**

WEED	CROP						PASTURE		CRITICAL COMMENTS
	Qld	NSW ACT	Vic	SA	WA	Tas	QLD, NSW, Tas only	SA only	
Thornapple	-	800 mL-1.1L	-	-	-	-	1.6-2.4L	-	Spray seedlings only.
Tridax (Tridax Daisy)	1.8L	1.8L	-	-	-	-	-	-	Spray seedling or young stages only.
Turnip Weed/ Rapistrum	560 mL	560 mL-1.1L	-	-	800 mL	-	560 mL 1.1L	560 mL-1.1L	
Wards Weed	-	-	-	1.1L	-	-	-	-	
Wild Cabbage	-	-	1.4L	-	-	-	-	-	Spray multiple leaves
Wild Poppy	-	-	560 mL	-	-	-	1.1-1.7L	1.1-1.7L	Spray rosettes
Wild Radish	900 mL	1.4-1.7L	1.4L	1.4L	800 mL	1.4L	800 mL-1.1 L	800 mL-1.1L	Spray up to young rosette stage.
Wild Turnip (cournefortii)	-	560 mL-1.1L	225-560 mL	320 mL	640 mL	1.4L	560 mL-1.1L	560 mL-1.1L	Spray 2-4 leaf up to rosette stage.

### Plant Back Days for Imtrade Smash 625 Selective Herbicide

CROP	RATES		
	Up to 560 mL/ha	560 mL - 1.1L/ha	1.1 - 1.7L/ha
Balansa Clover	7	7	10
Barley %	1	1	3
Chickpeas #	7	14	21
Cotton	10	14	21
Faba Beans	7	7	10
Field Peas	7	14	14
Lentils	7	7	10
Linseed	7	7	14
Lucerne	7	7	10
Lupins +	7	14	21
Medics	7	7	10
Narbon Beans	7	7	10
Navy Beans	10	10	14
Oats	3	3	7
Perennial Ryegrass	7	7	10
Persian Clover	7	7	10
Phalaris	7	7	10
Canola/ Rapeseed #	14	21	28
Rice	7	7	14
Safflower #	7	14	21
Sorghum@	3	7	10
Soybean	14	14	21
Sub-Clover	7	7	10
Sunflower@	7	10	14
Triticale %	1	3	7
Vetch	7	7	10
Wheat %	1	3	7
White Clover	7	7	10

**IMPORTANT:**

When applied to dry soils at least 15mm of rain must fall prior to the commencement of the plant back period.

**Notes:**

% In Queensland, no rainfall is required to fall prior to commencement of Plant Back Period for wheat, barley and triticale.

# In Queensland, planting of canola/ rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15 mm.

@ In Central Queensland, when using 800 mL/ha or less of Imtrade Smash 625 Selective Herbicide, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.

+ in WA the Plant Back Period for lupins at all rates is 28 days.

**GENERAL INSTRUCTIONS****APPLICATION INFORMATION**

BOOM SPRAYING Use 30 – 120L/ha of water.

AERIAL SPRAYING Use 10 – 90L/ha of water.

**EQUIPMENT MAINTENANCE AND USAGE**

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

**COMPATIBILITY**

The product may be mixed with Dicamba, Flowable Diuron, Glean®, Gramoxone 250®, Propon®, Atrazine, Spray-Seed®, Picloram and Tribunex®.

## RESISTANT WEED WARNING

### **GROUP I HERBICIDE**

Imtrade Smash 625 Selective Herbicide is a member of the Phenoxy group of herbicides. Imtrade Smash 625 Selective Herbicide has the Disruptors of plant cell growth mode of action. For weed resistance management, Imtrade Smash 625 Selective Herbicide is a Group I Herbicide. Some naturally occurring weed biotypes resistant to Imtrade Smash 625 Selective Herbicide and other disruptors of plant cell growth herbicides may exist through normal genetic variability in any weed population. These resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Imtrade Smash 625 Selective Herbicide or other disruptors of plant cell growth herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of Imtrade Smash 625 Selective Herbicide to control resistant weeds.

#### **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

**DO NOT** spray in high winds. **DO NOT** spray cereals if lucerne is present. **DO NOT** spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result.

**Drift Warning: DO NOT** use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site. **DO NOT** apply with smaller than coarse to very coarse spray droplets according to ASAE S572 definition for standard nozzles. **DO NOT** apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/ crops, cropping lands or pastures. Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, fruit trees, vegetables, legume crops and pastures, oilseed crops and susceptible trees (eg. Kurrajongs, Belahs and Eucalypts).

#### **PROTECTION OF LIVESTOCK**

Low hazards to bees. May be applied at any time as recommended in the Directions for Use.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND ENVIRONMENT**

**DO NOT** contaminate streams, rivers or waterways with the chemical or used containers.

## **STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. **DO NOT** store for prolonged periods in direct sunlight.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**Refillable Containers:** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**Envirodrum 110L Mini Bulk Returnable Container:** Store the original sealed Envirodrum in a cool well ventilated area. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Imtrade Australia Pty Ltd.

## **SAFETY DIRECTIONS**

Poisonous if swallowed. Avoid contact with eyes and skin. **DO NOT** inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow-length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield and contaminated clothing.

## **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26.

**MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet which can be obtained from your supplier or Imtrade Australia Pty Ltd website [www.imtrade.com.au](http://www.imtrade.com.au)

**CONDITIONS OF SALE**

Imtrade Australia Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

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**NOT CLASSIFIED AS DANGEROUS GOODS FOR TRANSPORT BY ROAD AND RAIL****APVMA Approval No: 63282/1008**