

MERGE1® ADJUVANT

EMULSIFIABLE CONCENTRATE

A blend of surfactant with petroleum hydrocarbons for application with various herbicides

COMMERCIAL (AGRICULTURAL)

GUARANTEE: Surfactant blend 50%
Solvent (petroleum hydrocarbons) 50%

REGISTRATION NO. 21058

PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**

WARNING



POISON

SKIN IRRITANT

NET CONTENTS: 4 L to 200 L

READ THE LABEL AND BOOKLET BEFORE USING

SHAKE WELL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

BASF Canada Inc.
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Mississauga, Ontario
L5R 4H1
1-877-371-2273

MERGE1® is a registered trademark of BASF. 2011-5034

DIRECTIONS FOR USE

MERGE1 Adjuvant is a blend of surfactant and petroleum hydrocarbons designed for use with various herbicide sprays. Refer to the herbicide label for detailed use instructions and restrictions.

MERGE1 Adjuvant can be used with the following herbicides:

Accord® Dry Flowable Herbicide
 Accord® WSB Herbicide
 Equinox® EC Herbicide

Eragon®
 Heat® WG
 Impact® Herbicide

Odyssey® WDG Herbicide
 Poast®Ultra Herbicide
 Solo® WDG Herbicide

Product	Tank Mix	Crop(s)	Amount of MERGE1 Adjuvant	Water Volume (L/ha)	Weeds Controlled
Accord Dry Flowable Herbicide	NA	Wheat (spring & durum), spring barley, canary seed	1.0%	100	Labelled weeds
	MCPA Amine	Barley	1.0%	100	Labelled weeds plus additional broadleaf weeds
	MCPA Ester				
	Buctril® M				
	Refine® Extra				
	Buctril M	Wheat (spring & durum)	1.0%	100	Labelled weeds plus additional broadleaf weeds
	2,4-D Amine				
	2,4-D Ester				
	MCPA Amine				
	MCPA Ester				
	Refine Extra				
	Express® Pack	Wheat (spring only)	1.0%	100	Labelled weeds, wild oats plus additional broadleaf weeds
	Avenge® 200-C				
	Avenge 200-C + Buctril M				
	Avenge 200-C + 2,4-D Ester				
	Avenge 200-C + MCPA Ester				
	Avenge 200-C + Refine Extra				
Buctril M	Canary seed	1.0%	100	Labelled weeds plus additional broadleaf weeds	

Product	Tank Mix	Crop(s)	Amount of MERGE1 Adjuvant	Water Volume (L/ha)	Weeds Controlled
Accord WSB Herbicide	NA	Wheat (spring & durum), spring barley , canary seed	1.0%	100	Labelled weeds
	MCPA Ester	Barley	1.0%	100	Labelled weeds broadleaf weeds plus additional
	MCPA Amine				
	Buctril M				
	Refine Extra				
	Buctril M	Wheat (spring & durum)	1.0%	100	Labelled weeds plus additional broadleaf weeds
	2,4-D Amine				
	2,4-D Ester				
	MCPA Amine				
	MCPA Ester				
	Refine Extra				
	Express Pack	Wheat (spring only)	1.0%	100	Labelled weeds, wild oats plus additional broadleaf weeds
	Avenge 200-C				
	Avenge 200-C + Buctril M				
	Avenge 200-C + 2,4-D Ester				
Avenge 200-C + MCPA Ester					
Avenge 200-C + Refine Extra	Canary seed	1.0%	100	Labelled weeds plus additional broadleaf weeds	
Buctril M					
Equinox EC Herbicide	NA	Canola (all types, including CLEARFIELD canola), CLEARFIELD canola quality <i>Brasica juncea</i> , chickpea, dry beans, dry pea, flax (including low linolenic acid varieties), lentils (including CLEARFIELD lentils), mustard (brown, oriental & yellow), sunflower (all types, including CLEARFIELD sunflowers)	0.5%	50 - 100	Labelled grass weeds, quackgrass
	Odyssey WDG	Field peas, CLEARFIELD canola, CLEARFIELD canola quality CLEARFIELD <i>Brassica juncea</i> , lentils	0.5%	50 - 100	Labelled annual grass weeds, quackgrass plus additional broadleaf weeds

Product	Tank Mix	Crop(s)	Amount of MERGE1 Adjuvant	Water Volume (L/ha)	Weeds Controlled
	Buctril M	Flax (including low linolenic acid varieties)	0.5%	50 - 100	Labelled annual grass weeds, quackgrass plus additional broadleaf weeds
	FlaxMax®	Flax (excluding low linolenic acid varieties)	0.5%	50 - 100	Labelled annual grass weeds, quackgrass plus additional broadleaf weeds
	Liberty® 150 SN	LibertyLink® (glufosinate ammonium tolerant) canola	0.5%	50 - 100	Labelled annual grass weeds, quackgrass plus additional broadleaf weeds
Eragon	NA	Barley, wheat (spring, winter, durum)	1 L/ha	100 - 200	Labelled broadleaf weeds
	Glyphosate	Corn (field, sweet), soybeans	1 L/ha	100 - 200	Labelled broadleaf weeds plus additional weeds
	Glyphosate + Pursuit® Herbicide	Soybeans	1 L/ha	100 - 200	Labelled broadleaf weeds plus additional weeds
Heat WG	NA	Barley, canary seed, chemfallow, chickpea Kabuli, corn (field, sweet), lentils, oats, peas (dried field), soybeans, wheat (spring, durum, winter)	0.5 L/ha	50 - 100	Labelled broadleaf weeds
	Glyphosate	Barley, canary seed, chemfallow, chickpeas, corn (field, sweet), oats, peas (dried field), lentils (including CLEARFIELD lentils, e.g. lentil varieties with the CLEARFIELD® trait), wheat (spring, durum, winter), soybeans	0.5 L/ha	50 - 100	Labelled broadleaf weeds plus additional weeds

Product	Tank Mix	Crop(s)	Amount of MERGE1 Adjuvant	Water Volume (L/ha)	Weeds Controlled
Impact Herbicide	NA	Field corn (conventional & herbicide tolerant hybrids), sweet corn & seed corn (hybrids & inbred lines)	0.5%	200	Labelled broadleaf and grass weeds
	Aatrex® 480 OR Atrazine	Field corn, sweet corn & seed corn (hybrids & inbred lines)	0.5%	200	Labelled broadleaf and grass weeds
	Atrazine + Frontier®	Field corn	0.25%	200	Labelled broadleaf and grass weeds
Odyssey WDG Herbicide	NA	Field peas, fenugreek (seed uses only), CLEARFIELD Canola ¹ (including CLEARFIELD Canola ¹ quality <i>Brassica juncea</i>), CLEARFIELD Lentils ¹ , soybeans (Western Canada only), seedling & established alfalfa grown for seed, bird's foot trefoil (seed production)	0.5%	50 - 100	Labelled broadleaf and grass weeds
	Lontrel® 360	CLEARFIELD Canola ¹	0.5%	50 - 100	Labelled broadleaf and grass weeds and Canada thistle
	Equinox EC	Field peas, CLEARFIELD Lentils ¹	0.5%	50 - 100	Labelled broadleaf and grass weeds, quackgrass, green foxtail, volunteer CLEARFIELD Wheat, volunteer barley, volunteer spring wheat, wild oats
Poast Ultra Herbicide	NA	Various crops as labelled	0.25 - 2.0 L/ha	25 - 200	Labelled grass weeds
	Buctril M	Flax (including low linolenic acid varieties)	0.5 - 2.0 L/ha	50 - 200	Labelled weeds plus additional weeds as listed
	Logic® M				
	Lontrel 360				
	Lontrel 360 + MCPA Ester				
	MCPA Ester				
	Muster® + Lontrel 360	Canola (rapeseed)	0.5 - 2.0 L/ha	50 - 200	Labelled weeds plus additional weeds as listed
Lontrel 360					

Product	Tank Mix	Crop(s)	Amount of MERGE1 Adjuvant	Water Volume (L/ha)	Weeds Controlled
	Muster				
	Pursuit® 240	Dry peas	1.0 L/ha	50 - 100	Labelled weeds plus additional weeds as listed
	Liberty 150 SN (e.g. canola varieties with the LibertyLink® symbol)	Glufosinate tolerant canola	1.0 L/ha	50 – 100	Labelled weeds plus additional weeds as listed
Solo WDG Herbicide	NA	CLEARFIELD Canola ¹ (including canola quality <i>Brassica juncea</i>), CLEARFIELD Sunflowers ¹ , CLEARFIELD Lentils ¹	0.5%	100	Labelled broadleaf and grass weeds
	Lontrel® Dry	CLEARFIELD Canola ¹	0.5%	100	Labelled broadleaf and grass weeds

MIXING

1. Thoroughly clean the sprayer prior to use. **For appropriate cleaning instructions, refer to the label of the product sprayed previously.**
2. Fill spray tank half full with clean water. Start agitation system.
3. Add the correct amount of herbicide(s) and MERGE1 Adjuvant and continue filling.
4. After filling, continue agitation.

SPRAYER CLEAN-OUT

Follow the following steps and consult each herbicide label used:

1. Immediately after use, thoroughly clean the sprayer by completely filling spray tank with clean water while adding 1 litre of ammonia (containing 3% ammonia) per 100 litres of water. Agitate to mix water and ammonia. Reduce amount of ammonia added proportionally if higher concentrations of ammonia are used. Flush solution through boom and nozzles and then add more water to completely refill the tank. Agitate the solution for at least 15 minutes and then flush the boom and nozzles until the spray tank is empty.
2. Remove the nozzles and screens and clean separately in a bucket containing a cleaning agent and water.
3. Fill spray tank half full with clean water.
4. Agitate to thoroughly rinse the tank and flush the water through the boom.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally. Harmful if swallowed or absorbed through the skin.
3. Skin irritant. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing including goggles or face shield, gloves (rubber, PVC, neoprene or nitrile), hat, long sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separately from household laundry before re-use.
7. Clean spray equipment thoroughly after use.
8. This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

FIRST AID

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

This product contains a petroleum distillate. Vomiting may cause aspiration pneumonia. Treat symptomatically.

STORAGE

1. Store in original tightly-closed container and do not allow water to be introduced to this container.
2. Do not ship or store near food, feed, seed or fertilizers.
3. Store product in cool, dry, locked, well ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross contamination.
5. Product must be stored at temperatures above 5°C (40°F).

DISPOSAL

For Recyclable Containers

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for any further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

For Returnable-Refillable Containers

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

¹Methods of growing plants which are resistant to certain acetohydroxyacid synthase (AHAS) herbicides are protected by Canadian Patent No. 1341465. The use of this product in the practice of patented methods could constitute patent infringement. The purchase of this product conveys no license to the purchaser to practice the patented methods. Further information can be obtained by contacting BASF Canada at 1-877-371-2273.

ACCORD®, CLEARFIELD®, EQUINOX®, ERAGON®, HEAT®, ODYSSEY®, POAST® and SOLO are registered trademarks of BASF.

®/™ All other products mentioned are trademarks or registered trademarks of their respective companies.

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