ACCELERATE

Plant Growth Regulator

Features and Benefits

- Auxin-dominant three-way Plant Growth Regulator
- Improves germination and provides strong foundation for root growth
- Crucial for early growth as it helps alleviate early season stress
- In-furrow application mixes well with CVA Elite Begin starter fertilizer and other seed safe fertilizers
- 5 oz /ac recommended use rate. Labeled rate range 4.7 to 6.3 oz /ac

Unique Ratio of 3 Key PGRs

AUXIN
To Iniatie Root Growth

GIBBERELLIC ACID
To Stimulate Cell Division and Stem Elongation

CYTOKININ
To Promote Cell Division and Leaf Expansion

Untreated | Accelerate

On average, when CVA ELITE Accelerate is added to a **CVA ELITE BEGIN** starter fertilizer, results show **+7.2 bu/a** improved yield response in CVA yield trials.

Central Valley Ag
2803 N Nebraska
York, NE 68467-0429

ACCELERATE ™

PLANT GROWTH REGULATOR

Hormone compounds to stimulate plant growth.

ACTIVE INGREDIENTS	
*Cytokinin, as Kinetin	0.012%
*Gibberellins (GA_4 + GA_7)	0.062%
*Indole-3-butyric Acid	0.103%
OTHER INGREDIENTS	99.823%
TOTAL	100.000%

*Contains 0.004 oz. cytokinin, as kinetin/qt.
*Contains 0.021 oz. gibberellins (GA_4 + GA_7)/qt.
*Contains 0.035 oz. indole-3-butyric acid/qt.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
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 center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. **HOTLINE NUMBER**: In case of medical emergency call 1-877-424- 7452.	

See inside booklet for additional precautionary statements, directions for use, warranty disclaimer and limitation of liability.

SHAKE WELL BEFORE USING.

NET CONTENTS: 2.5 GAL (9.46L)

EPA Reg. No. 1381-273-46799
EPA Est. No. 63603-KS-1

Distributed by:
Central Valley Ag
2803 N. Nebraska, PO Box 429
York, NE 68467-0429
1-888-343-0323

2/0915/3

(01)00884464870023

ITEM # 1735362

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear the appropriate Personal Protective Equipment (PPE).

Personal Protective Equipment:

Mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate.

Treated seed exposed on soil surface may be hazardous to birds, wildlife, fish, and aquatic invertebrates. Cover or collect seeds spilled during loading.

PHYSICAL AND CHEMICAL HAZARDS

Do not use with or store near any oxidizing agents.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT: Read the entire "Directions for Use" and the "Warranty Disclaimer" and "Limitation of Liability" before using this product. If terms are not acceptable, return the unopened product container at once.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours unless wearing appropriate PPE.

EXCEPTION: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

- coveralls over long-sleeved shirt and long pants,
- chemical-resistant gloves (made of any waterproof material), and
- shoes plus socks.

GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through sprinkler (including center pivot, lateral move, side (wheel) roll, traveler, big gun, solid set, hand move), furrow or drip irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Maintain agitation in the supply tank while adding the required amount of **CVA Elite Accelerate**, and throughout the application. **CVA Elite Accelerate** should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of **CVA Elite Accelerate** to add is calculated as the rate in fluid ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 2 fluid ounces per acre, add 10 x 2 = 20 fluid ounces to the supply tank at the beginning of the last full cycle).

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

The pesticide supply tank should be agitated throughout the application of **CVA Elite Accelerate**. **CVA Elite Accelerate** should be applied at the end of the water application.

CVA Elite Accelerate should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 19.2 fluid ounces of **CVA Elite Accelerate** per acre per application.

IN-FURROW CHEMIGATION

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Maintain agitation in the supply tank while adding the required amount of **CVA Elite Accelerate**, and throughout the application. **CVA Elite Accelerate** should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of **CVA Elite Accelerate** to add is calculated as the rate in fluid ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 2 fluid ounces per acre, add 10 x 2 = 20 fluid ounces to the supply tank at the beginning of the last full cycle).

DRIP CHEMIGATION

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional inter-locking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Prior to adding **CVA Elite Accelerate** to the supply tank, start drip irrigation water and check for leaks.

Maintain agitation in the supply tank while adding the required amount of **CVA Elite Accelerate** and throughout the application.

If the drip irrigation tape is placed between rows, add **CVA Elite Accelerate** to the supply tank early in the irrigation cycle so the **CVA Elite Accelerate** is pushed close to the seed as the water moves through the soil.

If the drip irrigation is directly above the seed, add **CVA Elite Accelerate** to the supply tank as close as possible to the end of the drip irrigation cycle. Maximize direct **CVA Elite Accelerate** contact with the seed.

Calculate the amount of **CVA Elite Accelerate** to add to the supply tank by multiplying the rate, in fluid ounces per acre, by the number of acres to be covered by the contents of the supply tank. (For example, if the supply tank contents cover ten acres and the rate on the label for the crop is 6.3 fluid ounces per acre, add 10 x 6.3 = 63 fluid ounces to the supply tank).

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to a point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain agitation in the supply tank while adding the required amount of **CVA Elite Accelerate**, and throughout the application. **CVA Elite Accelerate** should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of **CVA Elite Accelerate** to add is calculated as the rate in fluid ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 2 fluid ounces per acre, add 10 x 2 = 20 fluid ounces to the supply tank at the beginning of the last full cycle).

CVA Elite Accelerate should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 19.2 fluid ounces of **CVA Elite Accelerate** per acre per application.

DILUTION RATES

Apply **CVA Elite Accelerate** by ground or air.
If applied by air, use 3 to 5 gallons of water per acre.
If applied by ground, use 5 to 25 gallons of water per acre on vegetable or field crops. Use 5 to 200 gallons of water per acre for tree and vine crops.

SPRAY PROGRAM INSTRUCTIONS

Test results have shown that this product can stimulate higher yields through a larger root mass, earlier fruiting and increased fruit retention. **CVA Elite Accelerate** is a tool to increase plant efficiency.

SPRAY PROGRAM FOR VEGETABLE CROPS

BEANS AND PEAS:
1st Application - Apply 3.4 fluid ounces per acre when the first trifoliate is unfolded.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.
3rd Application - Apply 3.4 fluid ounces per acre at first bloom.

ASPARAGUS, BROCCOLI, CABBAGE, CELERY, LETTUCE, MINT AND SPINACH:
1st Application - Apply 3.4 fluid ounces per acre when the fifth leaf begins to unfold.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.
3rd Application - Apply 3.4 fluid ounces per acre 2 weeks after the second application.

For maximum benefit, apply continuous applications of 0.8 - 1.2 fluid ounces per acre at 7-10 day intervals after the first application throughout the production season.

CANTALOUPE, CUCUMBERS, MUSKMELON, WATERMELON, HONEYDEW, OKRA, AND SQUASH:
1st Application - Apply 3.4 fluid ounces per acre when the third leaf begins to unfold.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.
3rd Application - Apply 3.4 fluid ounces per acre 2 weeks after the second application.

For maximum yields, make continuous applications of 2.1 fluid ounces per acre at 7-10 day intervals after the first application throughout the growing season.

EGGPLANT, PEPPER, AND TOMATO:
1st Application - Apply 3.4 fluid ounces per acre when the plants have 3 true leaves.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.
3rd Application - Apply 3.4 fluid ounces per acre 2 weeks after the second application.

For maximum yields and quality, make continuous applications of 0.8 fluid ounce per acre after the first application at 7-10 day intervals throughout the growing season.

ONIONS:
At planting: Apply 6.3 to 9.5 fluid ounces per acre, as an in-furrow or band application. Place as close to the seed as possible.

At first drip irrigation: Apply 6.3 to 9.5 fluid ounces per acre, maximizing contact with the seed. (Refer to the DRIP CHEMIGATION section under CHEMIGATION, for additional application directions.)

SWEET CORN AND POPCORN: Apply one, two, or all of the following applications.
Apply in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting. Application rate is dependent on row spacing. Reference the chart below for rate information.

Row Spacing	Rate of CVA Elite Accelerate (fl. oz./acre)
30 inch	4.7 to 6.3
20 inch	7.0 to 9.5

AND/OR

Apply 3.4 fluid ounces per acre when the plants are in the 4-6 leaf stage.

AND/OR

Apply 3.4 fluid ounces per acre at the 8-10 leaf stage.

WHITE OR RED POTATOES:
Apply 4.7 to 6.3 fluid ounces per acre in a band, mark out, side dress or in-furrow application before or after planting.

AND/OR

For foliar applications, apply according to *one* of the following schedules:
To increase tuber size number and promote better rooting:
1st Application - Apply 3.4 fluid ounces per acre at tuber initiation.
2nd Application - Apply 3.4 fluid ounces per acre 2-3 weeks after the first application.
The last application should be during tuber bulking.

OR

To enhance tuber size and uniformity:
1st Application - Apply 3.4 fluid ounces per acre at tuber initiation.
2nd Application - Apply 3.4 fluid ounces per acre at the onset of tuber bulking.

CARROTS, PARSLEY, RADISHES, AND TURNIPS:
1st Application - Apply 3.4 fluid ounces per acre when the plants have 3 true leaves.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.
3rd Application - Apply 3.4 fluid ounces per acre 2 weeks after the second application.

SWEET POTATOES AND YAMS: Apply according to one of the following schedules.

At planting: Apply 16 to 32 fluid ounces of **CVA Elite Accelerate** per acre, in a transplant water solution.

OR

1st Application - Apply 0.2 to 0.4 fluid ounce per acre on a band just wide enough to cover all the plants seven to fourteen days after transplanting.
2nd Application - Apply 0.5 fluid ounce per acre in a band as above at twenty-eight days after transplanting.
3rd Application - Apply 0.1 fluid ounce per week along with a foliar fertilizer such as 15-5-5 at the rate of 32 fluid ounces or 1 quart per acre. Continue this program on a weekly basis until the potatoes have desirable harvest size.

NOTE: If seed has been treated with **CVA Elite Accelerate**, do not apply **CVA Elite Accelerate** as an in-furrow, band, side dress or mark out application.

FOLIAR SPRAY PROGRAM FOR FRUIT CROPS

BANANAS:

1st Application - Apply 3.1 to 6.3 fluid ounces per acre shortly prior to or at first bloom.
2nd Application - Apply 3.1 to 6.3 fluid ounces per acre two to three weeks after the first application.

CITRUS (GRAPEFRUIT, LEMON, LIME, AND ORANGES):

1st Application - Apply 3.1 to 6.3 fluid ounces per acre at first bloom.
2nd Application - Apply 3.1 to 6.3 fluid ounces per acre two to three weeks later. If there is an extended bloom period, make additional applications at 3.1 to 6.3 fluid ounces per acre.

GRAPES:

1st Application - Apply 3.4 fluid ounces per acre shortly prior to or at bloom stage.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.

GUAVA AND PAPAYA:

1st Application - Apply 3.4 fluid ounces per acre shortly prior to or at first bloom stage.
2nd Application - Apply 3.1 to 6.3 fluid ounces per acre 2 to 3 weeks after the first application.

POME (APPLE, MAYHAW):

Apply 6.3 fluid ounces per acre starting at pink bud stage and repeat every 7 to 10 days. Do not make more than 5 applications.

STONE (PEACH, CHERRY, APRICOT, NECTARINE):

Apply 6.3 fluid ounces per acre starting at pink bud stage and repeat every 7 to 10 days. Do not make more than 5 applications.

STRAWBERRIES:

1st Application - Apply 3.4 fluid ounces per acre shortly prior to or at first bloom stage.
2nd Application - Apply 3.4 fluid ounces per acre 2 weeks after the first application.

SPRAY PROGRAM FOR FIELD CROPS

ALFALFA: Established

1st Application - Apply 3.4 fluid ounces per acre upon dormancy break. Apply when sufficient re-growth is present.
2nd Application - Apply 3.4 fluid ounces per acre after each cutting. Apply when sufficient re-growth is present.

ALFALFA: Newly Seeded

1st Application - Apply 3.4 fluid ounces per acre when seedling alfalfa is in the 3rd to 4th trifoliate stage.

CANOLA:

1st Application - Apply 3.4 fluid ounces per acre between the rosette stage and bolting.
2nd Application - Apply 3.4 fluid ounces per acre at 20 percent bloom.
3rd Application - Apply 3.4 fluid ounces per acre at early pod fill.

COTTON - Non-Transgenic Varieties: Apply **CVA Elite Accelerate** according to *one* of the following schedules.

Schedule A:

1st Application - Apply 3.4 to 5.0 fluid ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.
2nd Application - Apply 3.1 fluid ounces per acre at pinhead square. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride (EPA Reg. No. 228-608). [1)]
3rd Application - Apply 4.2 fluid ounces per acre at early bloom.

Schedule B:

1st Application - Apply 2.1 fluid ounces per acre on a band at the 3-7 leaf stage.
2nd Application - Apply 3.1 fluid ounces per acre at the pinhead square stage. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride (EPA Reg. No. 228-608).[1)]
3rd Application - Apply 3.1 fluid ounces per acre at early bloom.

COTTON - Transgenic Varieties:
(Cotton varieties that have been genetically manipulated to have insect-resistance and/or herbicide- resistance built in)

1st Application - Apply 3.4 to 5.0 fluid ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

2nd Application - Apply 4.2 fluid ounces per acre at pinhead square. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride (EPA Reg. No. 228-608.[1)]
3rd Application – Repeat the above application at first bloom. If needed for vegetative growth control, repeat the above application at mid-bloom.

Higher rates and/or late season applications may be warranted under high stress conditions where square and/or boll retention is needed. During the bloom and post-bloom period, additional applications or higher rates can be applied but do not exceed a total of 25.5 fluid ounces per acre per season.

1) TANK MIXING INFORMATION – **CVA Elite Accelerate** and Mepex
Perform a Compatibility Test for Mix Components before preparing the tank mix application. Read and follow the applicable Restrictions and Limitations and Directions for Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Compatibility Test
Add components to a jar in the following sequence, using 1/2 teaspoon of **CVA Elite Accelerate** and 1/2 teaspoon of Mepex.
1) Water: For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2) **CVA Elite Accelerate**, then Mepex: Cap the jar and invert 10 cycles.
3) Let the solution stand for 15 minutes.
4) Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

Tank Mixing Order
1) Water: Begin by agitating a thoroughly clean sprayer tank half full of the required amount of clean water.
2) **CVA Elite Accelerate**, then Mepex
3) Remaining quantity of water
Only moderate agitation should be used while mixing and transporting.

FIELD CORN: Apply one, two or all of the following applications.
Apply in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting. Application rate is dependent on row spacing. Reference the following chart for rate information.

Row Spacing	Rate of CVA Elite Accelerate fl. oz./acre
30 inch	4.7 to 6.3
20 inch	7.0 to 9.5

AND/OR

Apply 6.7 to 10.8 fluid ounces per acre from the 3 leaf to the VT stage.

AND/OR

Apply 6.7 fluid ounces per acre between initial silking and brown silk.

FIELD CORN GROWN FOR SEED:
Apply in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting. Application rate is dependent on row spacing. Reference the following chart for rate information.

Row Spacing	Rate of CVA Elite Accelerate fl. oz./acre
30 inch	4.7 to 6.3
20 inch	7.0 to 9.5

FLAX:
1st Application - Apply 3.4 fluid ounces per acre when the plant is 2-4 inches tall.
2nd Application - Apply an additional 3.4 fluid ounces per acre two to three weeks later.

GRAIN SORGHUM:
Apply 4.7 to 6.3 fluid ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

AND/OR

1st Application - Apply 3.4 fluid ounces per acre at the 3-5 leaf stage.
2nd Application - Apply 3.4 fluid ounces per acre after the 8th but before the 12th leaf stage.

PEANUTS: Apply according to one or both of the following schedules.

Apply 4.7 to 6.3 fluid ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

AND/OR

1st Application - Apply 3.4 fluid ounces per acre at the 3-5 leaflet stage.
2nd Application - Apply 3.4 fluid ounces per acre at early flowering.
3rd Application - Apply 3.4 fluid ounces per acre at initial pegging.
4th Application - Apply 5.0 fluid ounces per acre during early pod fill.

SOYBEANS: Apply according to *one* of the following schedules.

1) Apply 3.4 fluid ounces per acre at the 3-5 trifoliate leaf stage.
Apply a second application of 3.4 fluid ounces between R1 and R3.
2) If the first application is missed, apply 6.7 fluid ounces per acre between R1 and R3.

SUGAR BEETS:

In-Furrow or Mark Out:
Apply 4.7 to 6.3 fluid ounces per acre in-furrow or mark out.

AND/OR

Foliar program:
1st Application - Apply 3.4 fluid ounces per acre between the 2nd and 10th true leaf stage.
2nd Application - Apply 3.4 fluid ounces per acre 2-3 weeks after the first application.

SUGARCANE:

1st Application – Use *one* of the following methods:
Apply 2.1 fluid ounces per acre in the furrow at planting.

OR

Apply 3.4 fluid ounces per acre at the 2-3 leaf stage.
2nd Application - Apply 3.4 fluid ounces per acre one month after emergence. Additional Applications - Apply 3.4 fluid ounces per acre on monthly intervals throughout the production season for maximum benefit.

SUNFLOWERS:

Apply 3.4 to 4.2 fluid ounces per acre in-furrow at planting.

AND/OR

Apply 3.4 fluid ounces per acre at 4-true leaves.

AND/OR

Apply an additional 3.4 fluid ounces per acre two to three weeks later.

TOBACCO:

At planting: Apply 16 to 32 fluid ounces of **CVA Elite Accelerate** per acre, in a transplant water solution.

WHEAT, BARLEY, OATS, AND RYE: Apply according to *one* of the following schedules.

1) Apply 4.7 to 6.3 fluid ounces per acre in-furrow at planting.

OR

2) If no at-planting application, apply 3.4 fluid ounces per acre prior to jointing. Apply 3.4 fluid ounces at the flag leaf stage.

FOLIAR SPRAY PROGRAM FOR RICE

CVA Elite Accelerate should be applied at 3.4 fluid ounces per acre as a foliar spray to the plant during either one of the following stages of development.

Primary Recommendations - 3 to 7 Leaf Stage: This application must be made after the rice seedling has 3 fully emerged leaves and the 4th leaf is beginning to emerge, but before the seedling has completed development of 7 leaves or 3 tillers. This period for application generally begins about 3-6 weeks after seeding and ends 5-9 weeks after seeding. The duration of this period depends on the variety and the growing conditions. This application may be made in conjunction with corresponding herbicide applications.

Alternate Recommendation - Two Millimeter (mm) Panicle Growth Stage: If the primary application is missed, **CVA Elite Accelerate** can be applied to stimulate cell differentiation in the developing panicle. This application must be made when no more than 10% of the main culms are at the 2 mm panicle growth stage. The 2 mm panicle growth stage occurs immediately after internode elongation or joint movement has begun. **CVA Elite Accelerate** must be applied as soon as internode elongation is detected so the 2 mm panicle growth stage is not missed. It is better to apply slightly early than to apply late. IMPORTANT: Timing of the application at 2 mm growth stage is critical. Check the entire field for stage of plant development. Large fields may require split applications on upper and lower ends of the field to ensure proper timing throughout the field.

SPECIAL NOTE FOR ALL TRANSPLANTED CROPS

Two methods are recommended for this program, unless otherwise directed for a specific crop or use:

A. Dip or spray roots with a solution of 0.8 fluid ounces of **CVA Elite Accelerate** per gallon of water prior to transplanting.
B. Bedding seedlings may be sprayed or drenched in flats 12-24 hours before transplanting to reduce transplant shock with a solution of 0.8 fluid ounces of **CVA Elite Accelerate** per gallon of water.

If applicable, begin the foliar program two (2) weeks after transplanting. A combination of the transplant and foliar spray program is most effective.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Protect from freezing. Store out of direct sunlight.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Follow label language appropriate for container size and type.

Nonrefillable containers: Do not reuse or refill this container. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable container greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Tip the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refillable container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THE NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

ACCELERATE ™

PLANT GROWTH REGULATOR

Hormone compounds to stimulate plant growth.

ACTIVE INGREDIENTS	
*Cytokinin, as Kinetin	0.012%
*Gibberellins (GA_4 + GA_7)	0.062%
*Indole-3-butyric Acid	0.103%
OTHER INGREDIENTS	99.823%
TOTAL	100.000%

*Contains 0.004 oz. cytokinin, as kinetin/qt.
*Contains 0.021 oz. gibberellins (GA_4 + GA_7)/qt.
*Contains 0.035 oz. indole-3-butyric acid/qt.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
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 center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. **HOTLINE NUMBER**: In case of medical emergency call 1-877-424- 7452.	

See inside booklet for additional precautionary statements, directions for use, warranty disclaimer and limitation of liability.

SHAKE WELL BEFORE USING.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear the appropriate Personal Protective Equipment (PPE).

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate.

Treated seed exposed on soil surface may be hazardous to birds, wildlife, fish, and aquatic invertebrates. Cover or collect seeds spilled during loading.

PHYSICAL AND CHEMICAL HAZARDS

Do not use with or store near any oxidizing agents.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Protect from freezing. Store out of direct sunlight.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Follow label language appropriate for container size and type.

Nonrefillable containers: Do not reuse or refill this container. Clean container promptly after emptying.

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FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.

NET CONTENTS: 2.5 GAL (9.46L)

EPA Reg. No. 1381-273-46799
EPA Est. No. 63603-KS-1

Distributed by:
Central Valley Ag
2803 N. Nebraska, PO Box 429
York, NE 68467-0429
1-888-343-0323

2/0915/3

PULL HERE TO OPEN ▲

SAFETY DATA SHEET

Issue Date: 08/30/23

1. Identification

Product identifier

Product Name **CVA ELITE ACCELERATE™**

EPA Reg. No. 1381-273-46799

Recommended use of the chemical and restrictions on use

Recommended use Agricultural Plant Growth Regulator

Restrictions on use See product label for information regarding restriction on the use of this product.

Details of the supplier of the safety data sheet

Supplier Address
Central Valley Ag
P.O. Box 429
York, NE 68467-0429

MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)
Non-Emergency Business Inquiries: 1-888-343-0323

Emergency telephone numbers: FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hrs)

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 2B
Flammable liquids	Category 4

Signal Word
Warning

Hazard statements
Combustible liquid.
Causes eye irritation.

Precautionary Statements - Prevention
Do not eat, drink or smoke when using this product.
Wash face, hands and any exposed skin thoroughly after handling.
Keep away from flames and hot surfaces. - No smoking.
Wear protective gloves, protective clothing, eye protection/face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for 15 -20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool. See Section 7 and the product label for further information on storage conditions.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with Federal, state, and local regulations. See Section 13 and the product label for further information on disposal considerations.

Other information

May be harmful if swallowed.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Trade secret
2-Butoxyethanol	111-76-2	10-30	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Get medical attention immediately if symptoms occur. Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 - 20 minutes. Remove contact lenses, if present and easy to do, after the first 5 minutes. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see Section 8).

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media High volume water jet.

Specific hazards arising from the chemical Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk-through spilled material. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk-through spilled material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapor, mist or spray. Use with local exhaust ventilation. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat,drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from freezing. Store out of direct sunlight. Store in accordance with Federal, state and local regulations. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a manner as to prevent cross contamination with other crop protections products, fertilizers, food, and feed. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store in original container.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m^3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m^3

Biological occupational exposure limits

Chemical name	ACGIH
2-Butoxyethanol 111-76-2	200 mg/g creatinine - urine (Butoxyacetic acid with hydrolysis) - end of shift

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles, face shield or safety glasses.

Hand protection Impervious gloves.

Skin and body protection Long-sleeved shirt, long pants, shoes and socks.

Respiratory protection When respirators are required or if irritation occurs, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

General hygiene considerations Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid breathing mist, vapors or spray. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Transparent near colorless
Odor	Mild sweet
Odor threshold	No data available

Property	Values	Remarks • Method
pH	4.21	(1% Solution)
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point	80°C/176ºF	
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		No data available
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Vapor pressure		No data available
Vapor density		No data available
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

Other information

Explosive properties	Not Explosive
Oxidizing properties	No data available
Softening point	No data available
VOC Content (%)	No data available
Liquid Density	8.47 lbs./gallon @24ºC
Bulk density	Not Applicable

10. Stability and reactivity

Reactivity None under normal use conditions.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks. Do not use with or store near any oxidizing agents.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products Thermal decomposition can lead to the release of irritating and toxic gases and vapors.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Not anticipated to be acutely toxic via inhalation. May cause mild irritation of the upper respiratory tract.

Eye contact Causes eye irritation (redness, itching, and pain).

Skin contact May cause mild but temporary skin irritation in sensitive individuals. Not anticipated to be acutely toxic if absorbed through skin.

Ingestion May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity (Values based on formulated product)

Acute Oral Toxicity (rat): LD_{50}= 5,000 mg/kg

Acute Dermal Toxicity (rat): LD_{50}= >5,050 mg/kg

Acute Inhalation Toxicity (rat): LC_{50}= >5.05 mg/L

Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on animal test data this product was rated non-irritating. Therefore, the classification criteria are not met. However, sensitive individuals may experience mild but temporary irritation.

Serious eye damage/eye irritation Based on animal test data this product is rated minimally irritating to eyes. No irritation was observed in any eye after 72 hours.

Respiratory or skin sensitization Based on information on the components in the formulation, this product is not anticipated to cause respiratory sensitization. Animal test data indicates that this product is not a skin sensitizer.

Germ cell mutagenicity Based on information on the components in the formulation, this product is not anticipated to cause mutagenic effects.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Based on information on the components in the formulation, this product is not anticipated to cause reproductive toxicity.

STOT - single exposure Evaluation of available data suggests that this material is not an STOT-SE toxicant.

STOT - repeated exposure No information available.

Target organ effects Liver. Kidney. Respiratory system. Eyes. Skin. Central nervous system. Blood. hematopoietic system.

Aspiration hazard Based on information on the components on the formulation, this product is not anticipated to be an aspirational hazard.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2	-	LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	-	EC50: >1000mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
2-Butoxyethanol 111-76-2	0.81

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of in accordance with Federal, state and local regulations.

Contaminated packaging Clean container promptly after emptying. Triple rise containers. Follow rinsing instructions on the product label. Then offer for recycling or by other procedures approved by state and local authorities.

14. Transport information

DOT

This product is not regulated by the U.S. DOT as a hazardous material for ground shipment in packages with a capacity of ≤119 gallons.

For packages with a capacity of >119 gallons:

UN/ID no	NA1993
Proper shipping name	Combustible liquid, n.o.s. (2-butoxyethanol)
Transport hazard class(es)	Combustible liquid
Packing group	III
Special Provisions	IB3, T1, TP1, 148
DOT Marine Pollutant	No
Description	NA1993, Combustible liquid, n.o.s. (2-butoxyethanol), PG III
Emergency Response Guide Number	128

IATA Not Regulated

IMDG Not Regulated

15. Regulatory information

TSCA Inventory
This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	1.0

SARA 311/312 Hazard Categories
Refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X
1,2-Propanediol 57-55-6	X	No	X

Other state regulations may apply. Check individual state requirements.

U.S. EPA Label Information

EPA Pesticide Registration Number 1381-273-46799
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal Word: Caution

Hazard Statements:
Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate.

Do not use with or store near any oxidizing agents.

16. Other information

NFPA	**Health hazards** 1	**Flammability** 2	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 1	**Flammability** 2	**Physical hazards** 0	**Personal protection** X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Issue Date **08/30/23**

Revision Date

Sections Revised

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet