

1. IDENTIFICATION

PRODUCT NAME:	S-CLOPRID 4 AG
EPA REGISTRATION NO.:	83222-32
PRODUCT TYPE:	Insecticide
CHEMICAL NAME OF ACTIVE INGREDIENT(S):	Imidacloprid: 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
COMPANY NAME:	Direct Ag Source, LLC 30473 260 th St. Eldora, IA 50627 Phone: 1-800-424-9300
FOR MEDICAL AND CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL CHEMTREC:	
FOR EMERGENCY MEDICAL TREATMENT INFORMATION, CALL NATIONAL POISON CONTROL CENTER:	Phone: 1-800-222-1222
FOR PRODUCT INFORMATION, CALL NATIONAL PESTICIDE INFORMATION CENTER:	Phone: 1-800-858-7378

2. HAZARDS IDENTIFICATIONS

Hazards information listed in this section are based on OSHA 2012 Hazard Communication Standard (29 CFR 1910.1200). See Section 15 for FIFRA information.

HAZARD CLASSIFICATION:

Acute oral toxicity: Category 4
Acute inhalation toxicity: Category 4

SIGNAL WORD: WARNING

PICTOGRAM:



HAZARD STATEMENTS:

- Harmful if swallowed.
- Harmful if inhaled.

PRECAUTIONARY STATEMENT AND RESPONSE:

- Wash hand thorough after handling. Do not eat, drink or smoke when using this product. If swallowed: call a poison center or doctor if you fell unwell. Rinse mouth.
- Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. If inhaled: remove victim to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

STORAGE AND DISPOSAL: See Section 7 and 13.

OTHER HAZARDS: See Section 11 and 12.

3. COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT	CAS NUMBER	%
Imidacloprid	138261-41-3	40.7
Other Ingredients		59.3

4. FIRST AID MEASURES

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none">• 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• 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 center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye.• Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.

Note to Physician – No specific antidote is available. Treat the patient symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not available

FLAMMABLE LIMITS: Unknown

EXTINGUISHING MEDIA: Use foam, carbon dioxide, dry chemical or water spray.

FIRE & EXPLOSION HAZARDS: Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.

FIRE-FIGHTING INSTRUCTION AND EQUIPMENT: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to fire with water spray. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

FIREFIGHTING EQUIPMENT: Self-contained breathing apparatus with full face piece.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Clean up spills immediately observing the precautions in Section 8 of this SDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Do not walk through spilled material and avoid breathing vapors and skin contact. Do not allow material to enter streams, sewers or other waterways or to contact vegetation.

SAFETY DATA SHEET
DIRECT AG SOURCE, LLC
S-CLOPRID 4 AG

For large spills, material should be recovered. For small spills, absorb with absorbent granules, spill control pads or other absorbent material. Carefully sweep up absorbed spilled material and place in covered container for disposal. Scrub contaminated area with soap and water and use dry absorbent granules to collect wash solution for disposal. Contaminated soil may have to be removed and disposed.

7. HANDLING AND STORAGE

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

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Do not put concentrate or diluted into food or drink containers. Store in cool, dry place. Do not store diluted spray.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL PROTECTIVE MEASURES: Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SKIN PROTECTION: Wear coveralls over long-sleeved shirt and long pants, chemical-resistant footwear plus socks, chemical-resistant apron when mixing or loading or exposed to the concentrate, and chemical-resistant headgear for overhead exposure.

EYE PROTECTION: Use chemical goggles.

HAND PROTECTION: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC), or Viton

RESPIRATOR REQUIREMENTS: For exposures in enclosed areas, use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

ENGINEERING CONTROLS: Refer to product label. To avoid exceeding exposure limits, handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

EXPOSURE LIMITS:

Chemical Name	OSHA/PEL	ACGIH/TLV	OTHER
Imidacloprid	NE	NE	NE

NE: Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off-white viscous liquid

ODOR: Mild

FLASH POINT: Not applicable

pH: 7.62

DENSITY: 1.111 g/cm

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BOILING POINT: Not available
VAPOR PRESSURE: Not available
SOLUBILITY: Not available
PARTITION COEFFICIENT: Not available
VISCOSITY: Not available

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal use and storage.
CONDITIONS TO AVOID: Extreme temperature
MATERIALS TO AVOID: Not known.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.
HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES:

Acute Oral LD₅₀ (Rat): 1,190 mg/kg
Acute Dermal LD₅₀ (Rat): >5,000 mg/kg
Acute Inhalation LC₅₀ (Rat): 3.452 mg/L air (4-hours)
Eye Irritation (Rabbit): Non-irritating
Dermal Irritation (Rabbit): Non-irritating
Dermal Sensitization: Not a skin contact sensitizer

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY:

ACGIH: Not listed
IARC: Not listed
NTP: Not listed
OSHA: Not listed

MUTAGENIC DATA: No evidence of mutagenic effects during in vivo and in vitro assays.

ADDITIONAL DATA: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

ECOTOXICOLOGICAL DATA:

Rainbow trout LC₅₀ (96h): 211 mg/L
Bobwhite quail LC₅₀ : 152 mg/kg
Daphnia magna EC₅₀ (48h): 85 mg/L
Acute contact bee LC₅₀: 0.078 ug/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved water disposal facility.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated.

INTERNATIONAL TRANSPORTATION:

Not regulated.

15. REGULATORY INFORMATION

FIFRA INFORMATION:

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 for safety data sheet, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Section 313: Not applicable

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable.

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

NFPA HAZARD RATINGS	NFPA		
HEALTH:	1	0	MINIMAL
FLAMMABILITY:	1	1	SLIGHT
REACTIVITY:	1	2	MODERATE
		3	HIGH
		4	SEVERE

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