

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. IDENTIFICATION

Product name : Challenger Insecticide

Manufacturer or supplier's details

COMPANY IDENTIFICATION

Manufacturer/importer : CORTEVA AGRISCIENCE LLC
9330 ZIONSVILLE RD
INDIANAPOLIS, IN, 46268-1053
UNITED STATES

Customer Information Number : 1-800-258-3033
E-mail address : customerinformation@corteva.com

Emergency telephone : INFOTRAC (CONTRACT 84224)
+1 800-992-5994 or +1 317-337-6009

Recommended use of the chemical and restrictions on use

Recommended use : End use insecticide product

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

™ ® Trademarks of Corteva Agriscience and its affiliated companies.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version 1.1 Revision Date: 04/23/2024 SDS Number: 750075101068 Date of last issue: 02/19/2024
Date of first issue: 02/19/2024

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Soybean oil	8001-22-7	93
Emulsifiers	Not Assigned	7

SECTION 4. FIRST AID MEASURES

- General advice : If you feel unwell, seek medical advice (show the label where possible).
- If inhaled : Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
- In case of skin contact : 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.
- In case of eye contact : Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.
- If swallowed : Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

be toxic and/or irritating.

Combustion products may include and are not limited to:
Carbon oxides
acrolein

Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.
Use water spray to cool unopened containers.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped,
Recovered material should be stored in a vented container.
The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.
Keep in suitable, closed containers for disposal.
Wipe up with absorbent material (e.g. cloth, fleece).
See Section 13, Disposal Considerations, for additional information.

SECTION 7. HANDLING AND STORAGE

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

- Advice on safe handling : Do not breathe vapors/dust.
Handle in accordance with good industrial hygiene and safety practice.
Smoking, eating and drinking should be prohibited in the application area.
Avoid prolonged or repeated contact with skin.
Take care to prevent spills, waste and minimize release to the environment.
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
- Conditions for safe storage : Store in a closed container.
Keep in properly labeled containers.
Store in accordance with the particular national regulations.
- Materials to avoid : Strong oxidizing agents
- Packaging material : Unsuitable material: None known.
-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Use a local and/or general ventilation system.

Personal protective equipment

Respiratory protection : Respiratory protection complying with EN 149.

Hand protection

Remarks : Wear suitable gloves.

Eye protection : Wear chemical safety goggles or equivalent eye protection.

Skin and body protection : Wear protective clothing and gloves (goggles or full-face shield, coveralls worn over long-sleeved shirt and long pants, socks, chemical resistant footwear, and waterproof gloves).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : Clear Yellow Amber

Odor : pleasant, aromatic

Odor Threshold : No data available

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version 1.1	Revision Date: 04/23/2024	SDS Number: 750075101068	Date of last issue: 02/19/2024 Date of first issue: 02/19/2024
----------------	------------------------------	-----------------------------	---

pH	:	5.5 - 7.5
Melting point/range	:	Not applicable
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable to liquids
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	0.9 - 0.94
Density	:	7.6 lb/gal
Solubility(ies) Water solubility	:	No data available
Autoignition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	No decomposition if stored and applied as directed. Stable under normal conditions.
Possibility of hazardous reac-	:	Stable under recommended storage conditions.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

tions		No hazards to be specially mentioned. None known.
Conditions to avoid	:	None known.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon oxides acrolein

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Assessment: The component/mixture is minimally toxic after single ingestion.
Acute dermal toxicity	:	Assessment: The component/mixture is minimally toxic after single contact with skin.

Components:

Soybean oil:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Remarks: For similar material(s):
Acute dermal toxicity	:	LD50 (Rabbit): > 20,000 mg/kg Remarks: For similar material(s):

Skin corrosion/irritation

Components:

Soybean oil:

Result	:	No skin irritation
--------	---	--------------------

Serious eye damage/eye irritation

Components:

Soybean oil:

Result	:	No eye irritation
--------	---	-------------------

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version 1.1 Revision Date: 04/23/2024 SDS Number: 750075101068 Date of last issue: 02/19/2024
Date of first issue: 02/19/2024

Respiratory or skin sensitization

Components:

Soybean oil:

Assessment : Does not cause skin sensitization.
Remarks : For similar material(s):
Did not cause allergic skin reactions when tested in guinea pigs.

Remarks : For respiratory sensitization:
No relevant data found.

Germ cell mutagenicity

Components:

Soybean oil:

Germ cell mutagenicity - Assessment : For similar material(s);, In vitro genetic toxicity studies were negative.

Carcinogenicity

Components:

Soybean oil:

Carcinogenicity - Assessment : For similar material(s);, Did not cause cancer in laboratory animals.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Components:

Soybean oil:

Reproductive toxicity - Assessment : For similar material(s);, In animal studies, did not interfere with reproduction.
For similar material(s);, Did not cause birth defects or any other fetal effects in laboratory animals.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version 1.1 Revision Date: 04/23/2024 SDS Number: 750075101068 Date of last issue: 02/19/2024
Date of first issue: 02/19/2024

STOT-single exposure

Components:

Soybean oil:

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

Repeated dose toxicity

Components:

Soybean oil:

Remarks : Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Aspiration toxicity

Components:

Soybean oil:

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Soybean oil:

Toxicity to fish : Remarks: For similar material(s):
Not expected to be acutely toxic to aquatic organisms.

Persistence and degradability

Components:

Soybean oil:

Biodegradability : Remarks: For similar material(s):
Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

Bioaccumulative potential

Components:

Soybean oil:

Partition coefficient: n-octanol/water : Remarks: For similar material(s):
Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

Emulsifiers:

Partition coefficient: n-octanol/water : Remarks: No relevant data found.

Mobility in soil

Components:

Soybean oil:

Distribution among environmental compartments : Remarks: No relevant data found.

Emulsifiers:

Distribution among environmental compartments : Remarks: No relevant data found.

Other adverse effects

Components:

Soybean oil:

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Emulsifiers:

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Regulation: (Update: 07/08/2014,VK)
Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.
If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR Road

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : No SARA Hazards

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Soybean oil

8001-22-7

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

Federal Insecticide, Fungicide and Rodenticide Act

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 as required on the pesticide label:

CAUTION

Harmful if swallowed, inhaled or absorbed through skin.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Challenger Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 02/19/2024
1.1	04/23/2024	750075101068	Date of first issue: 02/19/2024

Causes moderate eye irritation.

SECTION 16. OTHER INFORMATION

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

Full text of other abbreviations

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN - United Nations. CFR - Code of Federal Regulations. IARC - International Agency for Research on Cancer. IATA-DGR - International Air Transport Association Dangerous Goods Regulations. OSHA - Occupational Safety and Health Administration. RCRA - Resource Conservation and Recovery Act. RQ - Reportable Quantity. SARA - Superfund Amendments and Reauthorization Act. TSCA - Toxic Substances Control Act.

Revision Date : 04/23/2024

Product code: 3PP-GoldenPest

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.

US / EN