

DISCUS® N/G INSECTICIDE

EPA Registration Number: 432-1393-59807

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: DISCUS N/G INSECTICIDE
EPA Registration No.: 432-1393-59807
Product Use: Insecticide
Company Name: OHP, Inc.
 PO Box 51230
 Mainland, PA 19451
 (800) 659-6745

EMERGENCY TELEPHONE NUMBERS:

TRANSPORTATION EMERGENCY
 (24 hours a day): CHEMTREC:
 (800) 424-9300

MEDICAL EMERGENCY (24 hours a day) and PRODUCT INFORMATION: (800) 356-4647

2. HAZARDS IDENTIFICATION

NOTE.: *Please refer to Section 11 for detailed toxicological information.*

EMERGENCY OVERVIEW

CAUTION! Moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

Physical State: liquid
Appearance: tan
Exposure routes: Eye contact, Skin Absorption, Inhalation, Ingestion
Immediate Effects
Eye: Moderate eye irritation. Avoid contact with eyes.
Skin: Harmful if absorbed through skin. Avoid contact with skin and clothing.
Ingestion.: Harmful if swallowed. Do not take internally.
Inhalation: Harmful if inhaled. Avoid inhalation of vapour or mist.

Chronic or Delayed Long-Term: This product or its components may have target organ effects. This product or its components may have long term (chronic) health effects.

Potential Environmental Effect.

.: Highly toxic to bees. Extremely toxic to fish and aquatic invertebrates.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Average % by Weight
Imidacloprid	138261-41-3	2.94
Cyfluthrin	68359-37-5	0.70
Glycerine	56-81-5	12.00

4. FIRST AID MEASURES

General.: When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye: 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 physician or poison control center immediately.

Skin.: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Ingestion: Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Inhalation: Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Notes to Physician Treatment: Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

5. FIRE FIGHTING MEASURES

Flash point: > 93°C / 199°F

Suitable extinguishing media: Foam, Dry chemical

Fire Fighting Instructions: Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-

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off from fire fighting to enter drains or water courses.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Remove all sources of ignition. Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice: Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

7. HANDLING AND STORAGE

Handling procedures: Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

Storing Procedures: Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Work/Hygienic

Procedures: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Min/Max Storage

Temperatures: Recommended maximum transport/storage temperature: 38°C / 100°F

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection: Keep and wash PPE separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.

Eye/Face Protection: Safety glasses with side-shields

Hand protection: Chemical resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride

Body Protection: Long-sleeved shirt and long pants shoes plus socks

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

Exposure Limits

Imidacloprid	138261-41-3	OES BCS*	TWA	0.7 mg/m3	
			TX ESL	ST ESL	50 ug/m3
			TX ESL	AN ESL	5 ug/m3
Cyfluthrin	68359-37-5	TX ESL	ST ESL	50 ug/m3	
		TX ESL	ST ESL	50 ug/m3	
		TX ESL	AN ESL	5 ug/m3	
		TX ESL	AN ESL	5 ug/m3	
		OES BCS*	TWA	0.01 mg/m3	
Glycerine	56-81-5	ACGIH	TWA	10 mg/m3	
		OSHA Z1	PEL	5 mg/m3	
		OSHA Z1	PEL	15 mg/m3	
		OSHA Z1A	TWA	5 mg/m3	
		OSHA Z1A	TWA	10 mg/m3	
		TX ESL	ST ESL	50 ug/m3	
		TX ESL	AN ESL	5 ug/m3	
			TWA	10 mg/m3	
	TWA	5 mg/m3			

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: tan

Physical State: liquid

Density: ca. 1.05 g/cm³ at 20 °C

Viscosity: 350 - 600 mPa.s at 20°C
Velocity gradient 0.5 /s

10. STABILITY AND REACTIVITY

Incompatibility: Strong oxidizing agents
Bases

Hazardous

Decomposition Products: Thermal decomposition
Hydrogen chloride (HCl)
nitrogen oxides (NO_x)

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Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

Chemical Stability: Stable under recommended storage conditions.

Reproductive toxicity: REPRODUCTION:
Imidacloprid was not a reproductive toxicant in a multi-generation study in rats.

Cyfluthrin caused toxicity in offspring at doses producing systemic toxicity in adult rats.

DEVELOPMENTAL TOXICITY:
Imidacloprid is not considered a primary developmental toxicant in rats and rabbits. Developmental effects were observed at doses that caused maternal toxicity.

Cyfluthrin was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

Neurotoxicity: Imidacloprid showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in the neural tissues.

Cyfluthrin caused neurobehavioral effects and/or minimal nerve damage in neurotoxicity studies in mice, rats and hens.

Mutagenicity: Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Cyfluthrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

11. TOXICOLOGICAL INFORMATION

Acute toxicity studies have not been performed on this product as formulated. Acute toxicity data have been bridged from a similar formulation containing the active ingredients, imidacloprid and cyfluthrin. The non-acute information pertains to the technical-grade active ingredients.

Acute oral toxicity male rat: LD50: > 5,000 mg/kg
female rat: LD50: > 5,100 mg/kg

Acute dermal toxicity male/female combined rat:
LD50: > 5,030 mg/kg

Acute inhalation toxicity male/female combined rat:
LC50: > 2.23 mg/l
Exposure time: 4 h
Determined in the form of liquid aerosol. (actual)

male/female combined rat:
LC50: > 8.92 mg/l
Exposure time: 1 h
Determined in the form of liquid aerosol.
Extrapolated from the 4 hr LC50.
(actual)

Skin irritation rabbit: No skin irritation

Eye irritation rabbit: Mild eye irritation.

Sensitisation guinea pig: Non-sensitizing.

Chronic toxicity Imidacloprid caused thyroid and/or liver effects in chronic dietary studies in rats and dogs.

Cyfluthrin caused clinical signs of toxicity including neurological symptoms in chronic studies in rats and dogs.

Assessment

Carcinogenicity: Imidacloprid was not carcinogenic in studies in rats and mice.

Cyfluthrin was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH: None.

NTP: None.

IARC: None.

OSHA: None.

12. ECOLOGICAL INFORMATION

Environmental precautions: 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 surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Do not apply when weather conditions favor runoff or drift. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Apply this product as specified on the label.

13. DISPOSAL CONSIDERATIONS

General Disposal

Guidance: Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not re-use empty containers. Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

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RCRA Information: Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

14. TRANSPORT INFORMATION

CFR: Not dangerous goods /
not hazardous material

IMDG

UN-Number: 3082
Class: 9
Packaging group: III

Marine pollutant: Marine Pollutant

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (CYFLUTHRIN, IMIDACLOPRID SO-
LUTION)

IATA

UN-Number: 3082
Class: 9
Packaging Group: III

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (CYFLUTHRIN, IMIDACLOPRID SO-
LUTION)

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification: INSECTICIDES OR FUN-
GICIDES, N.O.I., OTHER THAN POISON

15. REGULATORY INFORMATION

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US Federal Regulations**TSCA list**

Glycerine 56-81-5

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None.

SARA Title III - Section 302 - Notification and Information

None.

SARA TITLE III - Section 313 - Toxic Chemical Release Reporting

Cyfluthrin 68359-37-5

**US States Regulatory Reporting
CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients

Cyfluthrin 68359-37-5 NJ
Glycerine 56-81-5 IL, MN, RI

Canadian Regulations**Canadian Domestic Substance List**

Glycerine 56-81-5

Environmental**CERCLA**

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

International Regulations**European Inventory of Existing Commercial Substances (EINECS)**

Glycerine 56-81-5

16. OTHER INFORMATION**NFPA 704 (National Fire Protection Association):**

Health - 1 Flammability - 1 Reactivity - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1 Flammability - 1 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: Updated due to new system and numbering scheme. Updated for general editorial purposes. The following sections have been revised: Section 3: Composition / Information on Ingredients. Section 11: Toxicological Information. Section 14: Transport Information.

Revision Date: 09/29/2010

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.

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