

DISCUS® TABLETS

EPA Registration Number: 432-1457-59807

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name DISCUS® TABLETS

EPA Registration No. 432-1457-59807

Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide

Restrictions on use See product label for restrictions.

Company information OHP, Inc.
PO Box 51230
Mainland, PA 19451
(800) 659-6745

TRANSPORTATION EMERGENCY

(24 hours a day) call Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product

Information call 1-800-356-4647

SDS Information or

Request ohp.com

2. HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Other hazards No particular hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Imidacloprid	138261-41-3	20.00
Copper(II)-sulphate pentahydrate	7758-99-8	0.50

4. FIRST AID MEASURES

Description of first aid measures

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

Skin contact 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.

Eye contact 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.

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.

Most important symptoms and effects, both acute and delayed

Symptoms If large amounts are ingested, the following symptoms may occur:
Nausea, Vomiting, Dizziness, Abdominal pain
Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).

Indication of any immediate medical attention and special treatment needed

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

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable High volume water jet

Special hazards arising from the

substance or mixture In the event of fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NOx)

FIREFIGHTING MEASURES continued next page

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FIREFIGHTING MEASURES *continued*

Advice for firefighters

Special protective equipment

for fire-fighters: In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information: Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point: not applicable

Autoignition temperature: no data available

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Explosivity: no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions: Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal. 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.

Reference to other sections: Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Advice on protection against fire and explosion: No special precautions required.

Hygiene measures: 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.

Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers: 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.

Advice on common

storage: Keep away from food, drink, and animal feedingstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	5ug/m3 (AN ESL)	07 2011	TX ESL
Imidacloprid	138261-41-3	50ug/m3 (ST ESL)	07 2011	TX ESL
Imidacloprid	138261-41-3	0.7 mg/m3 (TWA)		OES BCS*
Copper(II)-sulphate pentahydrate (Dust.)	7758-99-8	10ug/m3 (ST ESL)	12 2010	TX ESL
Copper(II)-sulphate pentahydrate (Dust.)	7758-99-8	1ug/m3 (AN ESL)	12 2010	TX ESL

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

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

EXPOSURE CONTROLS / PERSONAL PROTECTION *continued next page*

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EXPOSURE CONTROLS / PERSONAL PROTECTION *continued*

Respiratory protection: Respiratory protection is not required under anticipated circumstances of exposure.

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.

Hand protection: Chemical resistant nitrile rubber gloves

Eye protection: Safety glasses

Skin and body protection: Wear long-sleeved shirt and long pants and shoes plus socks.

General protective measures: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.

Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance**: beige to brown
- Physical State**: tablet
- Odor**: weak characteristic
- Odour Threshold**: no data available
- pH**: no data available
- Vapor Pressure**: no data available
- Vapor Density (Air = 1)**: no data available
- Specific Gravity**: no data available
- Evaporation rate**: not applicable
- Boiling Point**: not applicable
- Melting / Freezing Point**: not applicable
- Water solubility**: dispersible
- Minimum Ignition Energy**: no data available
- Decomposition temperature**: no data available
- Partition coefficient:**
- n-octanol/water**: not applicable
- Viscosity**: not applicable
- Flash point**: not applicable
- Autoignition temperature**: no data available

- Lower explosion limit**: not applicable
- Upper explosion limit**: not applicable
- Explosivity**: no data available
- Other information**: Further safety related physical-chemical data are not known.

10. STABILITY AND REACTIVITY

- Reactivity**
- Thermal decomposition**: no data available
- Chemical stability**: Stable under recommended storage conditions.
- Possibility of hazardous reactions**: No hazardous reactions when stored and handled according to prescribed instructions.
- Conditions to avoid**: Extremes of temperature and direct sunlight.
- Incompatible materials**: Oxidizing agents
- Hazardous decomposition products**: No decomposition products expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

- Exposure routes**: Ingestion, Skin contact, Eye contact
- Immediate Effects**
- Skin**: Harmful if absorbed through skin.
- Ingestion**: Harmful if swallowed.
- Information on toxicological effects**
- Acute oral toxicity**: LD50 (rat) >= 5,000 mg/kg
- Acute inhalation toxicity**: LC50 (rat) > 5.1 mg/l
Exposure time: 4 h
Determined in the form of dust.
- Acute dermal toxicity**: LD50 (rat) > 2,000 mg/kg
- Skin irritation**: No skin irritation (rabbit)

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TOXICOLOGICAL INFORMATION *continued*

Eye irritation : No eye irritation (rabbit)

Sensitisation : Non-sensitizing. (rabbit)
OECD Test Guideline 429,
local lymph node assay
(LLNA)

Assessment repeated dose toxicity

Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

Assessment Mutagenicity

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

Assessment Carcinogenicity

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

ACGIH : None.

NTP : None.

IARC : None.

OSHA : None.

Assessment toxicity to reproduction

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

Assessment developmental toxicity

Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

Further information

Acute toxicity studies have been bridged from a similar formulation(s).

The non-acute information pertains to the active ingredient(s).

12. ECOLOGICAL INFORMATION

Toxicity to fish : LC50 (Oncorhynchus-mykiss (rainbow trout)) 211 mg/l
Exposure time: 96 h

The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic

invertebrates : EC50 (Daphnia magna (Water flea)) 85 mg/l
Exposure time: 48 h

The value mentioned relates to the active ingredient imidacloprid.

EC10 (Chironomus riparius (non-biting midge))
2,09 µg/l
Exposure time: 28 d

The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic plants . : EC50 (Desmodosmus subspicatus) > 10 mg/l
Growth rate; Exposure time: 72 h

The value mentioned relates to the active ingredient imidacloprid.

Biodegradability : Imidacloprid; ; not rapidly biodegradable

Koc : Imidacloprid: Koc: 225

Bioaccumulation : Imidacloprid; ; Does not bioaccumulate.

Mobility in soil : Imidacloprid: Moderately mobile in soils

Additional ecological information : No other effects to be mentioned.

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 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.

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: 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.

Contaminated packaging .: Do not re-use empty containers.

Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning.

If burned, stay out of smoke.

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.

IATA

UN number: 3077

Class: 9

Packaging group: III

Environm.

Hazardous Mark: YES

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)

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.

14. TRANSPORT INFORMATION

49CFR

UN number: 3077

Class: 9

Packaging group: III

Marine pollutant: Yes

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (COPPER (II) SULFATE PENTAHYDRATE)

IMDG

UN number: 3077

Class: 9

Packaging group: III

Marine pollutant: YES

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)

15. REGULATORY INFORMATION

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US Federal Regulations

TSCA list: None.

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: None.

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

Copper(II)-sulphate pentahydrate 7758-99-8 CT

Canadian Regulations

Canadian Domestic

Substance List: None.

REGULATORY INFORMATION continued next page

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Copper(II)-sulphate pentahydrate 7758-99-8 10 lbs

Clean Water Section 307**Priority Pollutants**: None.**Safe Drinking Water Act Maximum****Contaminant Levels**: None.**EPA/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 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**: Harmful if swallowed or absorbed through skin.

Avoid contact with skin, eyes and clothing.

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

Health - 1 Flammability - 1 Instability - 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: Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)**Revision Date**: 12/09/2014

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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