

**Material Safety Data Sheet****SPECTICLE G 0.0224%**

MSDS Number: 102000024145

MSDS Version 1.0

Revision Date: 07/12/2010

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name SPECTICLE G 0.0224%
MSDS Number 102000024145

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
For Product Information call: 1-800-331-2867

SECTION 2. HAZARDS IDENTIFICATION

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

Emergency Overview

Caution! Caution - substance not yet tested completely. Avoid breathing dust.
Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

Physical State granular

Odor almost odourless sweet

Appearance green to brown

Exposure routes Inhalation, Eye contact

Immediate Effects

Eye Causes eye irritation. Do not get in eyes.

Ingestion May be harmful if swallowed. Do not take internally.

Inhalation May be harmful if inhaled. Avoid breathing dust.

**Chronic or Delayed
Long-Term**

This product or its components may have target organ effects.

**Potential Environmental
Effect**

This product may cause adverse effects on non-target plants.

**Material Safety Data Sheet****SPECTICLE G 0.0224%**

MSDS Number: 102000024145

MSDS Version 1.0

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Indaziflam	950782-86-2	0.0224
Calcium carbonate	1317-65-3	

SECTION 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	Treat symptomatically. There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Flash point	not applicable
Suitable extinguishing media	Water spray, Foam, Carbon dioxide (CO ₂), 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 water to come into direct contact with the product. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.



Material Safety Data Sheet

SPECTICLE G 0.0224%

MSDS Number: 102000024145

MSDS Version 1.0

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.
Methods for cleaning up	Avoid dust formation. 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.

SECTION 7. HANDLING AND STORAGE

Handling procedures	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	Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove contaminated clothing immediately and dispose of safely. Wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash thoroughly and put on clean clothing.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection	Follow all label instructions. Train employees in safe use of the product. 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.
Eye/Face Protection	Tightly fitting safety goggles
Hand protection	Chemical resistant nitrile rubber gloves
Body Protection	Wear long-sleeved shirt and long pants and shoes plus socks.



Material Safety Data Sheet

SPECTICLE G 0.0224%

MSDS Number: 102000024145

MSDS Version 1.0

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

Calcium carbonate	1317-65-3	NIOSH	REL	5 mg/m ³
		NIOSH	REL	10 mg/m ³
		OSHA Z1	PEL	5 mg/m ³
		OSHA Z1	PEL	15 mg/m ³
		OSHA Z1A	TWA	5 mg/m ³
		OSHA Z1A	TWA	15 mg/m ³
		TX ESL	ST ESL	50 ug/m ³
		TX ESL	AN ESL	5 ug/m ³
Indaziflam	950782-86-2	OES BCS*	TWA	0.14 mg/m ³

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	green to brown
Physical State	granular
Odor	almost odourless sweet
Bulk density	40 - 44 lb/ft ³

SECTION 10. STABILITY AND REACTIVITY

Hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
Chemical Stability	Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Only an acute eye irritation study has been performed on this product as formulated. The other acute toxicity studies have been bridged from a formulation containing a higher percentage of the active ingredient, indaziflam

Acute oral toxicity	rat: LD50: > 2,000 mg/kg
Acute dermal toxicity	rabbit: LD50: > 2,000 mg/kg



Material Safety Data Sheet

SPECTICLE G 0.0224%

MSDS Number: 102000024145

MSDS Version 1.0

Acute inhalation toxicity rat: LC50: > 5.2 mg/l
 Exposure time: 4 h
 Determined in the form of dust.

 rat: LC50: > 20.8 mg/l
 Exposure time: 1 h
 Determined in the form of dust.
 Extrapolated from the 4 hr LC50.

Skin irritation rabbit: slight irritation

Eye irritation rabbit: Moderate eye irritation.

Sensitisation guinea pig: Non-sensitizing.

Assessment Carcinogenicity

ACGIH
 None.
NTP
 None.
IARC
 None.
OSHA
 None.

SECTION 12. ECOLOGICAL INFORMATION

Environmental precautions Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Dispose in accordance with all local, state/provincial and federal regulations. Never place unused product down any indoor or outdoor drain. Follow advice on product label and/or leaflet.

Container Disposal Do not re-use empty containers. Follow advice on product label and/or leaflet.

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.



Material Safety Data Sheet

SPECTICLE G 0.0224%

MSDS Number: 102000024145
MSDS Version 1.0

SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA list

Calcium carbonate 1317-65-3

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

Calcium carbonate 1317-65-3 MN, RI

Canadian Regulations

Canadian Domestic Substance List

None.

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

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

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



Material Safety Data Sheet
SPECTICLE G 0.0224%

MSDS Number: 102000024145
MSDS Version 1.0

Reason for Revision: New Material Safety Data Sheet.

Revision Date: 07/12/2010

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. The product names are registered trademarks of Bayer.