

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

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

Trade name : MARATHON® 1%
GRANULAR

EPA Registration No. : 59807-15

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 746
Bluffton, SC 29910-0746
(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

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.

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.

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. Do not leave victim unattended.

Most important symptoms and effects, both acute and delayed

Symptoms : To date no symptoms are known.

Indication of any immediate medical attention and special treatment needed

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

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable : Water, Carbon dioxide (CO₂), Dry chemical, Foam

Unsuitable : None known.

Special hazards arising from the substance or mixture : Dangerous gases are evolved in the event of a fire.

FIREFIGHTING MEASURES continued next page

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Imidacloprid	138261-41-3	1.00
Crystalline quartz (respirable)	14808-60-7	7.40

4. FIRST AID MEASURES

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

FIREFIGHTING MEASURES *continued*

Advice for firefighters

Special protective equipment for fire-fighters

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

Further information : Keep out of smoke.

Fight fire from upwind position. Cool closed containers exposed to fire with water spray. 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

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 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.

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 . . . : 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.

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.

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	0.7mg/m3 (TWA)		OES BCS*
Crystalline quartz (respirable)	14808-60-7	0.1 mg/m3 (TWA)	1998	JO TLV
Crystalline quartz (respirable) (Respirable fraction.)	14808-60-7	0.025 mg/m3 (TWA)	02 2012	ACGIH
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.05 mg/m3 (REL)	2010	NIOSH
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA)	1989	OSHA Z1A
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA)	06 2008	TN OEL
Crystalline quartz (respirable) (Particulate.)	14808-60-7	14ug/m3 (ST ESL)	02 2013	TX ESL

Control parameters chart continued next page

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling . . . : Handle and open container in a manner as to prevent spillage. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

Control parameters chart continued

Components	CAS-No.	Control parameters	Update	Basis
Crystalline quartz (respirable) (Particulate.)	14808-60-7	0.27ug/m3 (AN ESL)	02 2013	TX ESL
Crystalline quartz (respirable) (Total dust.)	14808-60-7	0.3 mg/m3 (TWA PEL)	08 2010	US CA OEL
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA PEL)	08 2010	US CA OEL
Crystalline quartz (respirable) (Respirable.)	14808-60-7	2.4 millions of particles per cubic foot of air (TWA)	2000	Z3
Crystalline quartz (respirable)	14808-60-7	0.1 mg/m3 (TWA)	2000	Z3
Crystalline quartz (respirable) (Total dust.)	14808-60-7	0.3 mg/m3 (TWA)	2000	Z3

*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.

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.

Hand protection : Chemical resistant nitrile rubber gloves

Eye protection : Safety glasses with side-shields

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 : brown
Physical State : granular
Odor : mild
Odour Threshold : no data available
pH : no data available
Vapor Pressure : no data available
Vapor Density (Air = 1) : no data available
Bulk density : 577 - 673 kg/m³
 ca. 36 - 42 lb/ft³
Evaporation rate : not applicable
Boiling Point : not applicable
Melting / Freezing Point : not applicable
Water solubility : slightly soluble
Decomposition temperature : no data available
Partition coefficient:
 n-octanol/ water : no data available
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

10. STABILITY AND REACTIVITY

Reactivity

Thermal decomposition : no data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Elevated temperatures

Incompatible materials : no data available

Hazardous decomposition products : No decomposition products expected under normal conditions of use.

STABILITY AND REACTIVITY continued next page

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

11. TOXICOLOGICAL INFORMATION

Exposure routes: Eye contact, Skin Absorption, Ingestion, Inhalation

Immediate Effects

Eye: Causes eye irritation.

Skin: Harmful if absorbed through skin.

Ingestion: Harmful if swallowed.

Inhalation: May be harmful if inhaled.

Information on toxicological effects

Acute oral toxicity LD50 (rat) > 4,820 mg/kg

Acute inhalation toxicity LC50 (rat) > 5.1 mg/l
Exposure time: 4 h
Determined in the form of dust.

LC50 (rat) > 20 mg/l
Exposure time: 1 h
Determined in the form of dust.
Extrapolated from the 4 hr LC50.

Acute dermal toxicity LD50 (rabbit)
> 2,000 mg/kg

Skin irritation No skin irritation (rabbit)

Eye irritation Mild eye irritation.
(rabbit)

Sensitisation Non-sensitizing.
(guinea pig)

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

Crystalline quartz
(respirable) 14808-60-7 Group A2

NTP

Crystalline quartz
(respirable) 14808-60-7 2000

IARC

Crystalline quartz
(respirable) 14808-60-7 Overall evaluation: 1
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 (Water flea (Daphnia magna))
85 mg/l
Exposure time: 48 h

The value mentioned relates to the active ingredient imidacloprid.

LC50 (Chironomus riparius (non-biting midge)) 0.0552 mg/l
Exposure time: 24 h

The value mentioned relates to the active ingredient imidacloprid.

ECOLOGICAL INFORMATION continued next page

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

ECOLOGICAL INFORMATION <i>continued</i>		14. TRANSPORT INFORMATION
Toxicity to aquatic plants	EC50 (Desmodesmus subspicatus) > 10 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid.	49CFR: Not dangerous goods / not hazardous material
Biodegradability	Imidacloprid: ; not rapidly biodegradable	IMDG UN number 3077 Class 9 Packaging group III Marine pollutant YES Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)
Koc	Imidacloprid: Koc: 225	
Bioaccumulation	Imidacloprid: ; Does not bioaccumulate.	
Mobility in soil	Imidacloprid: Moderately mobile in soils	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)
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. Apply this product as specified on the label.	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.
13. DISPOSAL CONSIDERATIONS		Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON
Waste treatment methods		
Product	Dispose in accordance with all local, state/provincial and federal regulations.	
Follow advice on product label and/or leaflet.		
Never place unused product down any indoor or outdoor drain.		
Contaminated packaging	Completely empty container into application equipment, then dispose of empty container in a sanitary landfill, by incineration or by other procedures approved by state/provincial and local authorities.	
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.	
15. REGULATORY INFORMATION		
EPA Registration No.		59807-15
US Federal Regulations TSCA list		Crystalline quartz (respirable) 14808-60-7
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.
<i>REGULATORY INFORMATION continued next page</i>		

MARATHON® 1% GRANULAR

EPA Registration Number: 59807-15

US States Regulatory Reporting CA Prop65

This product contains a chemical known to the State of California to cause cancer.

Crystalline quartz (respirable) 14808-60-7

US State Right-To-Know Ingredients

Crystalline quartz (respirable) 14808-60-7
MN

Canadian Regulations

Canadian Domestic Substance List

Crystalline quartz (respirable) 14808-60-7

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)

Crystalline quartz (respirable) 14808-60-7

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.

Causes eye irritation.

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: Update OHP, Inc. address.

Revision Date: 02/10/2020

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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