

MARATHON® 60 WP GREENHOUSE AND NURSERY INSECTICIDE IN WATER SOLUBLE PACKAGING

EPA Registration Number: 432-1361-59807

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

Product identifier

Trade name : MARATHON® 60 WP
GREENHOUSE AND NURSERY INSECTICIDE
IN WATER SOLUBLE PACKAGING

EPA Registration No. : 432-1361-59807

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

Emergency telephone number

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

Acute toxicity

(Oral, Inhalation) : Category 4



Signal word : Warning

Hazard statements

Harmful if swallowed or if inhaled.

Precautionary statements

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing dust.
Avoid breathing vapours.
Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
Rinse mouth.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor/physician if you feel unwell.

Dispose of contents/container in accordance with local regulation.

Other hazards : No other hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS No.	Concentration % by weight
Imidacloprid	138261-41-3	60.00
Sodium lignosulphonate	8061-51-6	5.00
Sodium diisopropyl-naphthalene sulphonate	1322-93-6	3.20
Crystalline quartz (respirable)	14808-60-7	0.18

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.

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.

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5. FIREFIGHTING MEASURES
Extinguishing media

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

Unsuitable: None known.

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 (NO_x)

Advice for firefighters

Special protective equipment for 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

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures

Precautions: Keep unauthorized people away. Isolate hazard area. 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.

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.

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.

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*
Sodium lignosulphonate (Particulate.)	8061-51-6	50ug/m3 (ST ESL)	02 2013	TX ESL
Sodium lignosulphonate (Particulate.)	8061-51-6	5ug/m3 (AN ESL)	02 2013	TX ESL
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

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Control parameters *continued*

Components	CAS-No.	Control parameters	Update	Basis
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
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	2.4millions of particles per cubic foot of air (TWA)	2000	Z3
Crystalline quartz (respirable) (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
Sodium aluminium silicate (Respirable fraction.)	1344-00-9	1 mg/m3 (TWA)	02 2012	ACGIH
Sodium aluminium silicate (Particulate.)	1344-00-9	5ug/m3 (AN ESL)	02 2013	TX ESL
Sodium aluminium silicate (Particulate.)	1344-00-9	50ug/m3 (ST ESL)	02 2013	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.

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 : white to light beige

Physical State : powder

Odor : mild musty

Odour Threshold : no data available

pH : 8.3 at 1 %
suspension in water

Vapor Pressure : no data available

Vapor Density (Air = 1) : no data available

Bulk density : ca. 16 lb/ft³

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

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Lower explosion limit: not applicable
Upper explosion limit: not applicable
Explosivity: no data available

LC50 (male rat) 10.6 mg/l
Exposure time: 1 h
Determined in the form of
liquid aerosol.
Extrapolated from the
4 hr LC50.

10. STABILITY AND REACTIVITY

Reactivity

Thermal decomposition . . .: no data available
Chemical stability: Stable under normal
conditions.

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

**Possibility of hazardous
reactions**: No hazardous reactions
when stored and handled according to prescribed
instructions.

Conditions to avoid: no data available
Incompatible materials . . .: no data available

**Hazardous decomposition
products**: No decomposition prod-
ucts expected under normal conditions of use.

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

Skin irritation: Slight irritation (rabbit)

Eye irritation: Minimally irritating.
(rabbit)

Sensitisation: Non-sensitizing.
(guinea pig)

Assessment repeated dose toxicity
Imidacloprid did not cause specific target organ tox-
icity 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 ef-
fects seen with Imidacloprid are related to maternal
toxicity.

11. TOXICOLOGICAL INFORMATION

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

Immediate Effects

Eye: Causes eye irritation.

Skin: Harmful if absorbed
through skin.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled.

Information on toxicological effects

Acute oral toxicity: LD50 (male rat)
2,591 mg/kg
LD50 (female rat)
1,858 mg/kg

Acute inhalation toxicity . . .: LC50 (male rat) 2.65 mg/l
Exposure time: 4 h
Determined in the form of
liquid aerosol.
LC50 (female rat)
2.75 mg/l
Exposure time: 4 h
Determined in the form of
liquid aerosol.

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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.

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

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. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Dispose in accordance with all local, state/provincial and federal regulations. Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

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. 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.

14. TRANSPORTATION INFORMATION

49CFR: Not dangerous goods / not hazardous material

IMDG

UN number: 3077

Class: 9

Packaging group: III

Marine pollutant: YES

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

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.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

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15. REGULATORY INFORMATION

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US Federal Regulations**TSCA list**Sodium lignosulphonate 8061-51-6
Sodium diisopropyl-naphthalene
sulphonate 1322-93-6
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 Infor-
mation**

None.

**SARA Title III - Section 313 - Toxic Chemical Release
Reporting**

None.

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**Sodium lignosulphonate 8061-51-6
Sodium diisopropyl-naphthalene
sulphonate 1322-93-6
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 Sub-
stances (EINECS)**Sodium diisopropyl-naphthalene
sulphonate 1322-93-6
Crystalline quartz (respirable) 14808-60-7**EPA/FIFRA Information:** . . . : This chemical is a pesti-
cide product registered by the Environmental Protec-
tion Agency and is subject to certain labeling require-
ments under federal pesticide law. These require-
ments differ from the classification criteria and hazard
information required for safety data sheets, and for
workplace labels of non-pesticide chemicals. Follow-
ing is the hazard information required on the pesticide
label:**Signal word** : Caution!**Hazard statements** : Harmful if swallowed,
inhaled or absorbed through the skin.
Causes eye irritation.
Avoid contact with skin, eyes and clothing.
Avoid breathing dust or vapour.**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 haz-
ard, 3 = severe hazard, 4 = extreme hazard**Reason for Revision** : Revised according to the
current OSHA Hazard Communication Standard
(29CFR1910.1200)**Revision Date** : 10/23/2014This information is provided in good faith but without ex-
press or implied warranty. The customer assumes all re-
sponsibility for safety and use not in accordance with label
instructions.

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