

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DOUBLETAKE
Product code : 000000035361
Chemical nature : Diflubenzuron

Manufacturer or supplier's details

Company name of supplier : MacDermid Agricultural Solutions, Inc
Address : 245 Freight St
Waterbury, CT United States of America 06702
Telephone : (800) 423-8569

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide
Restrictions on use : Agriculture, For professional users only.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!	
Appearance	suspension
Colour	off-white, tan
Odour	mild
Hazard Summary	Harmful if swallowed. Toxic if inhaled. Very toxic to aquatic life with long lasting effects.

OSHA Regulatory status : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

GHS Classification

Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 3
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

Material Safety Data Sheet

DOUBLETAKE

Version
1.3

Revision Date:
05/08/2015

MSDS Number:
000000035361

Country: US
Language: EN

GHS Label element

Hazard pictograms



Signal word

: Warning

Hazard statements

: H302 Harmful if swallowed.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P304 + P340 + P311 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P391 Collect spillage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation

: Toxic by inhalation.

Skin

: May irritate skin.

Eyes

: May irritate eyes.

Ingestion

: Harmful if swallowed.

Chronic Exposure

: Prolonged or repeated contact may cause the following:
Methaemoglobinemia

Aggravated Medical Condi-

: None known.

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

tion

Symptoms of Overexposure : No information available.

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

kaolin 1332-58-7

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

Known to be human carcinogen

kaolin 1332-58-7

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Diflubenzuron

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
N-[[[4-chlorophenyl]amino]carbonyl]-2,6-difluorobenzamide	35367-38-5	>= 10 - < 20
Lambda-cyhalothrin	91465-08-6	>= 10 - < 20
propane-1,2-diol	57-55-6	>= 5 - < 10
silicon dioxide	7631-86-9	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

If inhaled : If breathed in, move person into fresh air.
Give oxygen or artificial respiration if needed.
In case of bluish discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible.
Obtain medical attention.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If not breathing, give artificial respiration.
Call a physician or poison control centre immediately.
If breathing is difficult, give oxygen.
Keep respiratory tract clear.

In case of skin contact : If on clothes, remove clothes.
Wash off immediately with plenty of water for at least 15 minutes.
If skin irritation occurs, seek medical advice/attention.

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

- Wash contaminated clothing before re-use.
Destroy contaminated shoes.
- Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
Call a physician or poison control centre immediately.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If symptoms persist, call a physician.

If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.
Give small amounts of water to drink.
Call a physician or poison control centre immediately.
Never give anything by mouth to an unconscious person.

Call a physician or poison control centre immediately.
Rinse mouth with water.
If victim is fully conscious, give a cupful of water.
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 give milk or alcoholic beverages.
- Notes to physician : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Extinguishing media - large fires
Alcohol-resistant foam
(on small fires)
Carbon dioxide (CO₂)
Dry chemical
Water spray

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during fire-fighting : Burning produces noxious and toxic fumes.

Do not allow run-off from fire fighting to enter drains or water courses.
Burning produces noxious and toxic fumes.

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Fight fire with normal precautions from a reasonable distance.
Keep away from fire, sparks and heated surfaces.
Use water spray to cool unopened containers.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus (EN 133)
- Wear full protective clothing and self-contained breathing apparatus.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Wear suitable protective clothing, gloves and eye/face protection.
Avoid contact with skin and eyes.
Ventilate the area.
Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Keep in properly labelled containers.
Dispose of rinse water as waste water.
- Environmental precautions : Toxic to aquatic life.
Do not allow uncontrolled discharge of product into the environment.
Do not flush into surface water or sanitary sewer system.
- Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Shovel into suitable container for disposal.
Large spills should be collected mechanically (remove by pumping) for disposal.
Ventilate the area.
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid formation of aerosol.
- Advice on safe handling : Handle and open container with care.
Protect from contamination.
Use only in well-ventilated areas.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid inhalation, ingestion and contact with skin and eyes.
Wear suitable protective clothing, gloves and eye/face protection.
Wash thoroughly after handling.
Keep container closed when not in use.
- Avoid exceeding the given occupational exposure limits (see section 8).
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep only in the original container.
Do not freeze.
- Prevent unauthorized access.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL
silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
		TWA	6 mg/m ³ (Silica)	NIOSH REL
kaolin	1332-58-7	TWA (Respirable fraction)	2 mg/m ³	ACGIH

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Respirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (Total dust)	10 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0

Engineering measures : Use mechanical ventilation for general area control.
Ensure that extracted air cannot be returned to the workplace through the ventilation system.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : Chemical resistant protective gloves
Polyvinyl alcohol or nitrile- butyl-rubber gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.

Eye protection : Safety glasses with side-shields
or
Safety goggles
Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : Long sleeved clothing
Remove and wash contaminated clothing before re-use.
Discard contaminated shoes.
To protect against splashes from pouring:
Rubber or plastic boots

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Rubber or plastic apron
impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wear suitable gloves and eye/face protection.
Avoid contact with skin, eyes and clothing.
Do not inhale aerosol.
Ensure adequate ventilation, especially in confined areas.
When using do not eat, drink or smoke.
Wash thoroughly after handling.
Keep working clothes separately.
Remove and wash contaminated clothing before re-use.
Contaminated work clothing should not be allowed out of the workplace.
NOTE TO END-USERS: The employee protection recommendations on this SDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.
Avoid contact with skin, eyes and clothing.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : suspension

Colour : off-white, tan

Odour : mild

Odour Threshold : No data available

pH : 6 - 9

Melting point/range : Not applicable

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Relative vapour density : No data available

Relative density : No data available

Density : 1.13 g/cm³ (25 °C)

Solubility(ies)

 Water solubility : dispersible

 Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

 Viscosity, dynamic : No data available

 Viscosity, kinematic : No data available

Oxidising potential : No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.
No decomposition if used as directed.

Conditions to avoid : No data available

Incompatible materials : Oxidizing agents
Strong acids and strong bases

Hazardous decomposition products : Carbon oxides
Nitrogen oxides (NO_x)
Sulphur oxides
Hydrogen halides

No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Ingestion

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: 607.13 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 0.55 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Lambda-cyhalothrin:

Acute oral toxicity : LD50 (Rat): 67 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.06 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : (Rat): 632 - 696 mg/kg

propane-1,2-diol:

Acute oral toxicity : LD50 (Rat): 20,000 mg/kg
LD50 (Rabbit): 18,500 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 20,800 mg/kg

silicon dioxide:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
GLP: no

Skin corrosion/irritation

Components:

Lambda-cyhalothrin:

Species: Rabbit
Result: No skin irritation

silicon dioxide:

Method: OECD Test Guideline 404
Result: No skin irritation

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Serious eye damage/eye irritation

Components:

Lambda-cyhalothrin:

Species: Rabbit
Result: Mild eye irritation

silicon dioxide:

Result: No eye irritation

Respiratory or skin sensitisation

Components:

Lambda-cyhalothrin:

Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

silicon dioxide:

Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

Lambda-cyhalothrin:

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

silicon dioxide:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative
GLP: no

: Test Type: Unscheduled DNA synthesis (UDS)
Result: negative

Genotoxicity in vivo : Test Type: in vivo assay
Species: Rat (male)
Application Route: Oral
Result: negative
GLP: no

Test Type: in vivo assay
Species: Rat (male and female)
Application Route: Oral
Result: negative
GLP: no

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Carcinogenicity

Components:

Lambda-cyhalothrin:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

silicon dioxide:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Components:

Lambda-cyhalothrin:

Reproductive toxicity - Assessment : Experiments have shown reproductive toxicity effects on laboratory animals.
Did not show teratogenic effects in animal experiments.

silicon dioxide:

Reproductive toxicity - Assessment : No toxicity to reproduction
No effects on or via lactation

STOT - single exposure

Product:

Assessment: Not classified due to lack of data.
Remarks: Not classified due to lack of data.

STOT - repeated exposure

Product:

Assessment: Not classified due to lack of data.
Remarks: Not classified due to lack of data.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

N-[[[4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide:

M-Factor (Acute aquatic toxicity) : 100

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

M-Factor (Chronic aquatic toxicity) : 1,000

Lambda-cyhalothrin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.00036 mg/l
Exposure time: 96 h
LC50 (Cyprinodon variegatus (sheepshead minnow)): 0.00081 mg/l
Exposure time: 96 h
LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.00021 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 0.00036 mg/l
Exposure time: 48 h

Toxicity to terrestrial organisms : LD50 Oral (Anas platyrhynchos (Mallard duck)): > 3,950 mg/kg
LD50 (Colinus virginianus (Bobwhite quail)): > 7,530 mg/kg
Exposure time: 3 d
LD50 Oral (Apis mellifera (bees)): 0.038 µg/bee

silicon dioxide:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 5,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 5,000 mg/l
Exposure time: 24 h

Toxicity to algae : EC50 (Algae): 440 mg/l
Exposure time: 72 h
Remarks: Information given is based on data obtained from similar substances.

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

silicon dioxide:

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : No data available

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil. In accordance with local and national regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diflubenzuron, lambda-cyhalothrin (ISO))
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

N.O.S.
(Diflubenzuron,)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID,
N.O.S.
(Diflubenzuron, lambda-cyhalothrin (ISO))
Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171
Marine pollutant : yes(Diflubenzuron, lambda-cyhalothrin (ISO))

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Toxic by ingestion, Mild eye irritant, Sensitiser

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethylene oxide	75-21-8	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethylene oxide	75-21-8	10	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

ethylene oxide 75-21-8 0.0001 %

Material Safety Data Sheet

DOUBLETAKE

Version 1.3 Revision Date: 05/08/2015 MSDS Number: 000000035361 Country: US
Language: EN

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

N-[[[4-chloro-phenyl)amino]carbonyl]-2,6-difluorobenzamide	35367-38-5	19.1945 %
--	------------	-----------

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer.

kaolin	1332-58-7
quartz (SiO ₂)	14808-60-7
4-chloroaniline	106-47-8
acetaldehyde	75-07-0
ethylene oxide	75-21-8
1,4-dioxane	123-91-1

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

ethylene oxide	75-21-8
----------------	---------

FIFRA Hazard Information:

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

WARNING

May be fatal if swallowed. Harmful if inhaled. Avoid breathing spray mist.

This pesticide is extremely toxic to fish and aquatic organisms, and toxic to wildlife, terrestrial juvenile insects, and mollusks/insects. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues in blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Material Safety Data Sheet

DOUBLETAKE

Version
1.3

Revision Date:
05/08/2015

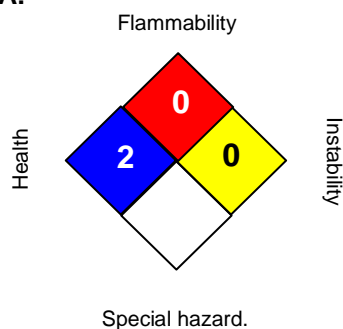
MSDS Number:
000000035361

Country: US
Language: EN

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

Carechem24 International Worldwide Coverage

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347

Material Safety Data Sheet

DOUBLETAKE

Version
1.3

Revision Date:
05/08/2015

MSDS Number:
000000035361

Country: US
Language: EN

	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401
	Vietnam	+65 3158 1255
	India	+65 3158 1198 +91 1166 411 405
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Emergency Phone Number	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	South Africa	+27 21 300 2732
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States of America and Canada	+1866 928 0789 +1 215 207 0061
<u>Latin America:</u>	Brazil	+55 113 711 9144
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
	All other countries	+44 (0) 1235 239 670