

SAFETY DATA SHEET

Omite® 6e

Version Revision Date: MSDS Number: Country: US
1.2 10/16/2015 000000036591 Language: EN

SECTION 1. IDENTIFICATION

Product name : Omite® 6e
Product code : 000000036591

Manufacturer or supplier's details

Company: MacDermid Agricultural Solutions, Inc
 245 Freight St
 Waterbury, CT
 United States of America
 06702
 Telephone : +1 800 423 8569

Prepared by sds.request@arysta.com

Further information for the safety data sheet :
sds.request@arysta.com

1.4 Emergency telephone number

Emergency telephone number: Agriphar Crop Solutions: +1 800 423 8569(24 hours) 800-424-9300
 For additional emergency telephone numbers see section 16 of the
 Safety Data Sheet.

Recommended use of the chemical and restrictions on use

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

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4
Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 2
Skin corrosion : Category 1A

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Serious eye damage : Category 1
Respiratory sensitisation : Category 1
Skin sensitisation : Category 1
Carcinogenicity : Category 2
Aspiration hazard : Category 1
Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
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.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe 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.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 Wear respiratory protection.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT

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induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Fungicide
Propargite - 6 lbs/gal

Hazardous components

Chemical Name	CAS-No.	Concentration (% w/w)
propargite	2312-35-8	>= 50 - < 70
Distillates (petroleum), hydrotreated light	64742-47-8	>= 10 - < 20
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8	>= 1 - < 5
butan-1-ol	71-36-3	>= 1 - < 5
heptane	142-82-5	>= 0.1 - < 1
4-tert-butylphenol	98-54-4	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.

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- If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
Call a POISON CENTER or doctor/ physician.
- In case of skin contact : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water for at least 15 minutes.
Call a POISON CENTER or doctor/ physician.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Call a POISON CENTER or doctor/ physician.
- If swallowed : Call a physician or poison control centre immediately.
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Do not give anything to drink.
Never give anything by mouth to an unconscious person.

Do not induce vomiting without medical advice.
- Most important symptoms and effects, both acute and delayed : Breathing difficulties
discomfort in the chest
Drowsiness
irritant effects
carcinogenic effects
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
- 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
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
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Burning produces noxious and toxic fumes.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters : Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus (EN 133)

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate unnecessary personnel.
Avoid all contact with material.
Wear suitable protective equipment.

Environmental precautions : Prevent leaks and prevent soil / water pollution caused by leaks.

Methods and materials for containment and cleaning up : Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.
Dam up.
Large spills should be collected mechanically (remove by pumping) for disposal.
Pump excess material into suitable container (metal drums, metal tank, or such).

In accordance with local and national regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Wear suitable protective equipment.
Warn personnel about the dangers of the product.
Keep container tightly closed.

Conditions for safe storage : Keep in a dry, cool place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	200 mg/m ³ (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m ³	OSHA P0

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		TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA (Mist)	5 mg/m ³	OSHA P0
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
butan-1-ol	71-36-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 300 mg/m ³	OSHA Z-1
		C	50 ppm 150 mg/m ³	OSHA P0
		C	50 ppm 150 mg/m ³	NIOSH REL
heptane	142-82-5	TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,600 mg/m ³	OSHA P0
		STEL	500 ppm 2,000 mg/m ³	OSHA P0
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	85 ppm 350 mg/m ³	NIOSH REL
		C	440 ppm 1,800 mg/m ³	NIOSH REL
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH

Hazardous components without workplace control parameters

Components	CAS-No.
propargite	2312-35-8
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8
4-tert-butylphenol	98-54-4

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Remarks : Impervious gloves

Eye protection : Face-shield

Skin and body protection : Preventive skin protection

Hygiene measures : Provide adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : liquid

Colour : red brown, to, black

Odour : slight, sulphurous

Odour Threshold : No data available

pH : No data available

Melting point/range : Not applicable

Boiling point/boiling range : No data available

Flash point : 66 °C
Method: Tag closed cup

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 1.045 g/cm³

Solubility(ies)

 Water solubility : emulsifiable

 Solubility in other solvents : completely miscible

Partition coefficient: n-octanol/water : log Pow: 5.7

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

 Viscosity, dynamic : No data available

 Viscosity, kinematic : No data available

Oxidizing potential : No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

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

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

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong acids and strong bases

Hazardous decomposition products : Burning produces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 960 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.46 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): 4,500 mg/kg

Components:

propargite:

Acute oral toxicity : LD50 (Rat): 2,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.5 mg/l
Exposure time: 1 h
Test substance: 10 % gravimetric suspension in distilled water
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 4,000 mg/kg

4-tert-butylphenol:

Acute oral toxicity : LD50 (Rat): 2,990 mg/kg

LD50 (Rat): 4,000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 (Rabbit): 2,318 mg/kg
GLP: no

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LD50 (Rabbit): 2,288 mg/kg

Skin corrosion/irritation

Product:

Species: Rabbit
Result: Corrosive

Components:

propargite:

Species: Rabbit
Result: Irritating to skin.

4-tert-butylphenol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation

Serious eye damage/eye irritation

Product:

Species: Rabbit
Result: Severe irritation

Components:

propargite:

Species: Rabbit
Result: Severe eye irritation
Assessment: Risk of serious damage to eyes.

4-tert-butylphenol:

Species: Rabbit
Result: Eye irritation
Method: Draize Test

Respiratory or skin sensitisation

Product:

Species: Guinea pig
Result: negative

Components:

propargite:

Test Type: Buehler Test
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Result: Did not cause sensitisation on laboratory animals.

4-tert-butylphenol:

Test Type: Patch Test

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Species: Human
Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Components:

propargite:

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

4-tert-butylphenol:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: Mutagenicity (Escherichia coli - reverse mutation assay)
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Metabolic activation: with and without metabolic activation
Result: positive
GLP: yes

: Test Type: In Vitro mammalian Cell Gene Mutation Test
Metabolic activation: with and without metabolic activation
Result: negative

: Test Type: Chromosome aberration test in vitro
Metabolic activation: with and without metabolic activation
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests showed mutagenic effects

Carcinogenicity

Components:

propargite:

Carcinogenicity - Assessment : Suspected of causing cancer.

4-tert-butylphenol:

Carcinogenicity - Assessment : Carcinogenicity classification not possible from current data.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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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.

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

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

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

Reproductive toxicity

Components:

propargite:

Reproductive toxicity - Assessment : Not classified due to data which are conclusive although insufficient for classification.

4-tert-butylphenol:

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

STOT - single exposure

Components:

4-tert-butylphenol:

Assessment: May cause respiratory irritation.

STOT - repeated exposure

Components:

4-tert-butylphenol:

Exposure routes: Oral

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

Product:

Harmful: may cause lung damage if swallowed.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

propargite:

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.081 mg/l
Exposure time: 96 h
- LC50 (Pimephales promelas (fathead minnow)): 0.06 mg/l
Exposure time: 96 h
- LC50 (Salmo gairdneri): 0.118 mg/l
Exposure time: 96 h
- LC50 (Fish): 0.04 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.014 mg/l
Exposure time: 48 h
- EC50 (Crangon crangon (shrimp)): 0.101 mg/l
Exposure time: 48 h
- Toxicity to algae : IC50 (Pseudokirchneriella subcapitata (green algae)): > 1.08 mg/l
Exposure time: 96 h

4-tert-butylphenol:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 5.1 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
- LC50 (Oryzias latipes (Orange-red killifish)): 5.1 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 3.4 mg/l
Exposure time: 48 h
Test Type: semi-static test
Analytical monitoring: no
Method: OECD Test Guideline 202
GLP: no
- Toxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 11.2 mg/l
End point: Inhibition of growth
Exposure time: 72 h
Test Type: Growth inhibition

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EbC50 (Selenastrum capricornutum (green algae)): 22.7 mg/l
End point: Biomass
Exposure time: 72 h
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: no

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.73 mg/l
Exposure time: 21 d
Analytical monitoring: no
GLP: no

Toxicity to bacteria : EC10 (Pseudomonas putida): 140 mg/l
Exposure time: 5 h
GLP:

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

4-tert-butylphenol:

Biodegradability : aerobic
Inoculum: activated sludge
Result: Readily biodegradable
Biodegradation: 98 %
Exposure time: 28 d
Method: Tested according to Directive 92/69/EEC.
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:

Partition coefficient: n-octanol/water : log Pow: 5.54
GLP: no

butan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 0.9

heptane:

Partition coefficient: n-octanol/water : log Pow: 4.7

4-tert-butylphenol:

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Bioaccumulation : Species: Leuciscus idus (Golden orfe)
Bioconcentration factor (BCF): 120

Partition coefficient: n-octanol/water : log Pow: 3.29 (25 °C)
Method: OECD Test Guideline 107
GLP: yes

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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 : In accordance with local and national regulations.
The product should not be allowed to enter drains, water courses or the soil.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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N.O.S.
(propargite)

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, N.O.S. (propargite)

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. (propargite)

Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171
Marine pollutant : yes(propargite)

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Component RQ (lbs)
propargite	2312-35-8	10	16

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SSARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

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SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

propargite	2312-35-8	62.366 %
butan-1-ol	71-36-3	1.5109 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

butan-1-ol	71-36-3	1.5109 %
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Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

propargite	2312-35-8	62.366 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

propargite	2312-35-8	62.366 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop. 65

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

propargite	2312-35-8
Distillates (petroleum), hydrotreated light	64742-47-8

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

propargite	2312-35-8
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TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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

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workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

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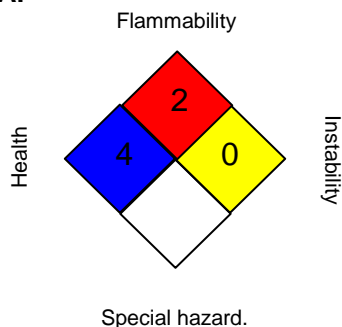
Revision Date:
10/16/2015

MSDS Number:
000000036591

Country: US
Language: EN

Further information

NFPA:



HMIS III:

HEALTH	3*
FLAMMABILITY	2
PHYSICAL HAZARD	0

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

Revision Date : 10/16/2015

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
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401
	Vietnam	+65 3158 1255
	India	+65 3158 1198 0800 100 7479

SAFETY DATA SHEET

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Country: US
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	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