TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

SECTION 1. IDENTIFICATION

Product name : TERRAMASTER® 4EC

Product code : 40000004088

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 material safety data sheet:

sds.request@arysta.com

1.4 Emergency telephone

Emergency telephone: 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 : Fungicide

Restrictions on use : Agriculture, For professional users only.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4

Acute toxicity (Oral) : Category 4

Serious eye damage : Category 1

Carcinogenicity : Category 2

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

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.

H318 Causes serious eye damage. 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.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P281 Use personal protective equipment as required.

Response:

P301 + P310 IF SWALLOWED: 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.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alco-

hol-resistant foam for extinction.

P391 Collect spillage.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

Other hazards

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Contains 4 lbs. of 5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole

per U.S. Gallon at 20°C.

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (% w/w)
Petroleum distillate	64742-94-5	>= 30 - < 50
Etridiazole	2593-15-9	44.3
naphthalene	91-20-3	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

If inhaled : Remove victim to fresh air and keep at rest in a position com-

fortable for breathing.

If not breathing, give artificial respiration.

Call a physician or poison control center immediately.

If breathing is difficult, give oxygen.

Keep respiratory tract clear.

In case of skin contact : 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 center immediately.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes.

If eye irritation persists, consult a specialist.

If swallowed : Call a physician or poison control center 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.

Obtain medical attention.

Most important symptoms and effects, both acute and delayed

: Harmful if swallowed.

May be fatal if swallowed and enters airways.

Causes serious eye damage. Suspected of causing cancer.

corrosive effects irritant effects

Symptoms may be delayed.

Notes to physician : The first aid procedure should be established in consultation

TERRAMASTER® 4EC

Version **Revision Date:** MSDS Number: Country: US 10/14/2015 40000004088 Language: Z8 1.10

with the doctor responsible for industrial medicine.

SECTION 5. FIRE-FIGHTING 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

Burning produces obnoxious and toxic fumes.

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

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.

fire-fighters

Special protective equipment for : Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency pro-

cedures

Use personal protective equipment. Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions : 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 respec-

tive authorities.

Methods and materials for con-

tainment and cleaning up

: Soak up with inert absorbent material (e.g. sand, silica gel, acid

binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

: Avoid exceeding the given occupational exposure limits (see section Advice on safe handling

8).

Avoid contact with skin and eyes. For personal protection see section 8.

TERRAMASTER® 4EC

 Version
 Revision Date:
 MSDS Number:
 Country: US

 1.10
 10/14/2015
 400000004088
 Language: Z8

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 regula-

tions.

Conditions for safe storage : 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

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Petroleum distillate	64742-94-5	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0
naphthalene	91-20-3	TWA	10 ppm	ACGIH
		TWA	10 ppm 50 mg/m3	OSHA Z-1
		TWA	10 ppm 50 mg/m3	OSHA P0
		STEL	15 ppm 75 mg/m3	OSHA P0
		TWA	10 ppm 50 mg/m3	NIOSH REL
		ST	15 ppm 75 mg/m3	NIOSH REL

Personal protective equipment

Respiratory protection : In the case of vapor formation use a respirator with an

approved filter.

Hand protection

Remarks : Solvent-resistant gloves The selected protective gloves have

to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it. Before removing gloves

clean them with soap and water.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : impervious clothing

Choose body protection according to the amount and con-

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

centration of the dangerous substance at the work place.

Hygiene measures : 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 : liquid

Color : amber

Odor : solvent

Odor Threshold : No data available

pH : 4-6

Melting point/range : Not applicable

Boiling point/boiling range : No data available

Flash point : 65.6 °C

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : 1.104

Density : 1.11 g/cm3

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : soluble

Solvent: Organic solvents

Partition coefficient: n-

octanol/water

: No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

TERRAMASTER® 4EC

VersionRevision Date:MSDS Number:Country: US1.1010/14/2015400000004088Language: Z8

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Self-Accelerating decomposition

temperature (SADT)

: Method: No information available.

Oxidizing 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 reac-

tions

: No decomposition if used as directed.

Conditions to avoid : No data available

Incompatible materials : None known.

Hazardous decomposition prod-

ucts

: Burning produces obnoxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact Ingestion

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat, male): 1,600 mg/kg

LD50 (Rat, female): 1,414 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 3.8 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum

achievable concentration.

Acute dermal toxicity : LD50 (Rat): 3,241 mg/kg

Ingredients:

Etridiazole:

TERRAMASTER® 4EC

 Version
 Revision Date:
 MSDS Number:
 Country: US

 1.10
 10/14/2015
 400000004088
 Language: Z8

Acute oral toxicity : LD50 (Rat): > 945 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.7 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:

Species: Rabbit

Result: Moderate skin irritation

Ingredients:

Etridiazole: Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Serious eye damage/eye irritation

Product:

Species: Rabbit

Result: Irreversible effects on the eye

Ingredients:

Etridiazole:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitization

Product:

Species: Guinea pig

Result: Did not cause sensitization on laboratory animals.

Ingredients:

Etridiazole:

Species: Guinea pig

Assessment: May cause sensitization by skin contact.

Method: OECD Test Guideline 406

Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Ingredients:

TERRAMASTER® 4EC

VersionRevision Date:MSDS Number:Country: US1.1010/14/2015400000004088Language: Z8

Etridiazole:

Germ cell mutagenicity -

Assessment

: Based on available data, the classification criteria are not met

Carcinogenicity

Ingredients:

Etridiazole:

Carcinogenicity - Assess-

ment

: Suspected of causing cancer.

IARC Group 2B: Possibly carcinogenic to humans

naphthalene 91-20-3

OSHANo ingredient of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcino-

gen by OSHA.

NTP Reasonably anticipated to be a human carcinogen

naphthalene 91-20-3

Reproductive toxicity

Ingredients:

Etridiazole:

Reproductive toxicity - As-

sessment

: Based on available data, the classification criteria are not met

STOT-single exposure

Ingredients:

Etridiazole:

Assessment: Based on available data, the classification criteria are not met

Repeated dose toxicity

Ingredients:

Etridiazole:

Species: Rat NOAEL: 2.7 mg/kg Application Route: Oral Exposure time: 91 d Target Organs: Liver

Species: Rat NOAEL: 20 mg/kg

Application Route: Dermal Exposure time: 28 d

Species: Rat

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

NOAEL: 0.015 mg/l LOAEL: 0.015 mg/l

Application Route: inhalation (dust/mist/fume)

Exposure time: 28 d

Aspiration toxicity

Product:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vom-

tina.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

Etridiazole:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.4 mg/l

Exposure time: 96 h

Test Type: flow-through test

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 3.1 mg/l

Exposure time: 48 h

Test Type: flow-through test Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 0.8 mg/l

Exposure time: 48 h

Toxicity to fish (Chronic toxic-

ity)

: NOEC: 0.12 mg/l Exposure time: 28 d

Test Type: flow-through test

Toxicity to daphnia and other

aquatic invertebrates (Chron-

: NOEC: 0.37 mg/l Exposure time: 21 d

ic toxicity)

Test Type: flow-through test

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

TERRAMASTER® 4EC

VersionRevision Date:MSDS Number:Country: US1.1010/14/2015400000004088Language: Z8

Ingredients:

Etridiazole:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life (DT50): 92 d pH: 5

Hydrolyzis: at25 °C

Degradation half life (DT50): 98 d pH: 7

Hydrolyzis: at25 °C

Degradation half life (DT50): 88 d pH: 9

Hydrolyzis: at25 °C

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Ingredients:

Etridiazole:

Bioaccumulation : Bioconcentration factor (BCF): 165

Partition coefficient: n-

octanol/water

: Pow: 289

naphthalene:

Partition coefficient: n-

octanol/water

: log Pow: 3.4

Mobility in soil

Product:

Mobility : Remarks: No data available

Ingredients:

Etridiazole:

Distribution among environ-

mental compartments

: Remarks: Moderately mobile in soils

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Pro-

tection 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).

Section 602 (10 CTR 62, Subpl. 11, 11pp.11 + B).

Additional ecological informa: : An environmental hazard cannot be excluded in the event of

TERRAMASTER® 4EC

 Version
 Revision Date:
 MSDS Number:
 Country: US

 1.10
 10/14/2015
 400000004088
 Language: Z8

tion unprofessional handling or disposal.

Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

Ingredients:

Etridiazole:

Results of PBT and vPvB

assessment

: This substance is not considered to be persistent, bioaccumu-

lating and toxic (PBT).

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.

(etridiazole, naphthalene)

Class : 9 Packing group : III

Labels : Miscellaneous

IMDG-Code

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(etridiazole, naphthalene)

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.

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

Domestic regulation

49 CFR

UN/ID/NA number : NA 1993

Proper shipping name : COMBUSTIBLE LIQUID, N.O.S.

(etridiazole, naphthalene)

Class : CBL
Packing group : III
ERG Code : 128

Marine pollutant : yes(etridiazole, naphthalene)

Remarks : Not regulated by DOT and TDG if shipped or transported in

packaging less than 450 liters by road and/or rail. Please

refer to 49 CFR for any details.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ	Component RQ (lbs)
		(lbs)	
naphthalene	91-20-3	100	2027

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

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:

naphthalene 91-20-3 4.9332 %

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).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

naphthalene 91-20-3 4.9332 %

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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

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

naphthalene 91-20-3 4.9332 %

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table

117.3:

naphthalene 91-20-3 4.9332 %

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section

307

naphthalene 91-20-3 4.9332 %

California Prop. 65 WARNING! This product contains a chemical known in the

State of California to cause cancer.

Etridiazole 2593-15-9 naphthalene 91-20-3 ethylene oxide 75-21-8

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

harm.

ethylene oxide 75-21-8

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule: Nonylphenol, ethoxylated, propoxylated, EO9 mol, PO10 37251-69-7

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: naphthalene 91-20-3

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.

CAUTION

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

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 water when cleaning equipment or disposing of equipment washwaters.

Etridiazole may contaminate surface water through spray drift. Under some conditions, etridiazole may have a high potential for runoff into surface water for several weeks postapplication. These conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain surface water.

TERRAMASTER® 4EC

 Version
 Revision Date:
 MSDS Number:
 Country: US

 1.10
 10/14/2015
 400000004088
 Language: Z8

Combustible. Do not use or store the product near heat or open flame.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

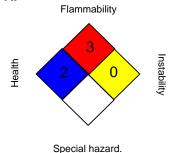
(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency 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

TERRAMASTER® 4EC

Version Revision Date: MSDS Number: Country: US 1.10 10/14/2015 400000004088 Language: Z8

Further information

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Revision Date : 10/14/2015

The information provided in this Material 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 / Z8

Carechem24 International Worldwide Coverage

Emergency Phone Number

Europe:	All European Countries	+44 (0) 1235 239 670
Asia Pacific:	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

TERRAMASTER® 4EC

VersionRevision Date:MSDS Number:Country: US1.1010/14/2015400000004088Language: Z8

Pakistan +65 3158 1329 Philippines +65 31581203 Sri Lanka +65 3158 1195 **Emergency Phone Number** +65 3158 1200 Middle East / Africa: Arabic speaking countries +44 (0) 1235 239 671 South Africa +27 21 300 2732 All other countries +44 (0) 1235 239 670 United States of America and Canada **America** +1866 928 0789 +1 215 207 0061 Brazil Latin America: +55 113 711 9144 Mexico +52 555 004 8763 Chile +56 225 829 336 All other countries +44 (0) 1235 239 670