

Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 1 of 15
Product name	ERASE	
	1640, TEBUCONAZOLE 200 g/I EC	June 2018
Safety data sheet	according to EU Reg. 1907/2006 as amended	Supersedes June 2017

SAFETY DATA SHEET ERASE 1640, TEBUCONAZOLE 200 g/I EC

Revision: Sections containing a revision or new information are marked with a .

♣ SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier **ERASE** 1640, TEBUCONAZOLE 200 g/I EC Contains tebuconazole 1.2. Relevant identified uses of the substance or mixture and uses advised against Can be used as fungicide only. 1.3. Details of the supplier of the safety CHEMINOVA A/S, a subsidiary of FMC Corporation data sheet Thyborønvej 78 DK-7673 Harboøre Denmark SDS.Ronland@fmc.com 1.4. Emergency telephone number +45 97 83 53 53 (24 h; for emergencies only) <u>Company</u>



Thyborønvej 78 DK-7673 Harboøre

Denmark +45 9690 9690 www.fmc.com

CVR No. DK 12 76 00 43

Material group	16I/1640	Page 2 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	
		June 2018

Medical emergencies:

Austria: +43 1 406 43 43 Portugal: 808 250 143 (in Portugal only)

Belgium: +32 70 245 245 +351 21 330 3284 Bulgaria: +359 2 9154 409 Romania: +40 21318 3606 Cyprus: 1401 Slovakia: +421 2 54 77 4 166

Czech Republic: +420 224 919 293 Slovenia: +386 41 650 500

> South Africa: +27 83 123 3911 (Bateleur Emergency Response Co.) +420 224 915 402 Spain: +34 91 562 04 20

> > Northern Ireland -

Denmark: +45 82 12 12 12 Sweden: +46 08-331231 France: +33 (0) 1 45 42 59 59 112 Finland: +358 9 471 977

Switzerland: 145 Greece: 30 210 77 93 777 Turkey: 114 Hungary: +36 80 20 11 99

England & Wales -Ireland (Republic): +353 1 809 2166 111 Scotland -08454 24 24 24 Italy: +39 02 6610 1029

Lithuania: +370 523 62052 Republic of Ireland -01 837 9964 +370 687 53378

U.S.A. & Canada: +1 800 / 331-3148 (ProPharma) Luxembourg: +352 8002 5500

All other countries: +1 651 / 632-6793 (ProPharma - Collect) Netherlands: +31 30 274 88 88 Healthcare professionals seeking poisons information should consult Norway: +47 22 591300

www.toxbase.org. Poland: +48 22 619 66 54

+48 22 619 08 97

Transportation, warehousing & after sale incidents and emergencies Contact CHEMTREC help centre Dialling from the UK and NI 0870 820 0418 Dialling from Ireland

♣ SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or Eye irritation: Category 2 (H319)

mixture Sensitisation – skin: Category 1B (H317) Toxic to reproduction: Category 2 (H361d)

Hazards to the aquatic environment, chronic: Category 1 (H410)

Local GP or Pharmacist

WHO classification Class U (Unlikely to present acute hazard in normal use)

Health hazards The product may harm the unborn child. It may be mildly to

moderately irritating to eyes and skin. Several other harmful effects are possible in case of massive or prolonged exposure. See section 11.

Environmental hazards The product is toxic to aquatic organisms.

2.2. Label elements

01 901 4670

According to EU Reg. 1272/2008 as amended

Product identifier 1640, Tebuconazole 200 g/l EC

Contains tebuconazole



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 3 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	
		June 2018

Hazard pictograms (GHS07, GHS08, GHS09)







Signal word	Warning
Hazard statements	
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H410	Very toxic to aquatic life with long lasting effects.
Supplementary hazard statement	
EUH401	To avoid risks to human health and the environment, comply with the instructions of use.
Precautionary statements	
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing and eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container as hazardous waste.
3. Other hazards	None of the ingredients in the product meets the criteria for being PBT

♣ SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1.	Substances	The product is a mixture, not a substance.
3.2.	Mixtures	See section 16 for full text of hazard statements.
	Active ingredient Tebuconazole	Content: 20% by weight
	CAS name	1H-1,2,4-Triazole-1-ethanol, α -[2-(4-chlorophenyl)ethyl]- α -(1,1-dimethylethyl)-
	CAS no.	107534-96-3
	IUPAC name	(RS)-1-p-Chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol
	ISO name/EU name	Tebuconazole
	EC no. (ELINCS no.)	403-640-2
	EU index no.	603-197-00-7
	Classification of the ingredient	Acute oral toxicity: Category 4 (H302)
		Toxic to reproduction: Category 2 (H361d)

or vPvB.

Hazards to the aquatic environment, acute: Category 1 (H400) chronic: Category 1 (H410)



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 4 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	
		June 2018

Structural formula	N N	OH	CI	
Reportable ingredients	Content (% w/w)	CAS no.	EC no. (EINECS no.)	Classification
Dimethyl sulphoxide Reg. no. 01-2119431362-50	20	67-68-5	200-664-3	None
Octan-1-ol Reg. no. 01-2119486978-10	16	111-87-5	203-917-6	Eye Irrit. 2 (H319)
Tristyrylphenyl-polyethyleneglycol- phosphoric acid	8	114535-82-9	None	Eye Irrit. 2 (H319)
Benzenesulfonic acid, 4-C10-13-sec- alkyl derivs. Reg. no. 01-2119490234-40	2	85536-14-7	287-494-3	Acute Tox. 4 (H302) Skin Corr. 1C (H314)

SECTION 4: FIRST AID MEASURES

4.1.	Description of first aid measures Inhalation	If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.
	Skin contact	Immediately remove contaminated clothing and footwear. Flush skin with much water. Wash with water and soap. See physician if irritation develops.
	Eye contact	Immediately rinse eyes with much water or eyewash solution, occasionally opening eyelids, until no evidence of chemical remains. Remove contact lenses after a few minutes and rinse again. Get medical attention if irritation develops.
	Ingestion	Let the exposed person rinse mouth and drink several glasses of water or milk, but not induce vomiting. If vomiting does occur, let him/her rinse mouth and drink several glasses of fluid again. Never give anything by mouth to an unconscious person. Get medical attention immediately.
4.2.	Most important symptoms and effects, both acute and delayed	The first symptom to appear after skin or eye contact will be irritation. After ingestion, the main symptoms are passivity, impaired mobility

and shortness of breath.



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 5 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	June 2018

4.3. Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required in case of ingestion.

It may be helpful to show this safety data sheet to physician.

A specific antidote for exposure to this material is not known. If swallowed, gastric lavage and/or administration of activated charcoal can be considered. After decontamination, treatment of exposure is as for a general chemical and should be directed at the control of symptoms and the clinical condition.

SECTION 5: FIRE-FIGHTING MEASURES

5.2. Special hazards arising from the substance or mixture

The essential breakdown products are volatile, toxic, malodorous, irritant and inflammable compounds such as nitrogen oxides, sulphur dioxide, carbon monoxide, carbon dioxide, hydrogen chloride, phosphorus pentoxide and various chlorinated organic compounds.

5.3. Advice for firefighters

Use water spray to keep fire-exposed containers cool. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. Fight fire from protected location or maximum possible distance. Dike area to prevent water runoff. Firemen should wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

It is recommended to have a predetermined plan for the handling of spills. Empty, sealable vessels for the collection of spills should be available.

In case of large spill (involving 10 tonnes of the product or more):

- 1. use personal protection equipment; see section 8
- 2. call emergency telephone no.; see section 1
- 3. alert authorities.

Observe all safety precautions when cleaning up spills. Use personal protection equipment. Depending on the magnitude of the spill this may mean wearing respirator, face mask or eye protection, chemical resistant clothing, gloves and boots.

Stop the source of the spill immediately if safe to do so. Remove sources of ignition. Keep unprotected persons away from the spill area.

6.2. Environmental precautions

Contain the spill to prevent any further contamination of surface, soil or water. Wash waters must be prevented from entering surface water drains. Uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 6 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	June 2018

6.3. Methods and materials for containment and cleaning up

It is recommended to consider possibilities to prevent damaging effects of spills, such as bunding or capping. See GHS (Annex 4, Section 6).

Use non-sparking tools and equipment. If appropriate, surface water drains should be covered. Minor spills on the floor or other impervious surface should be absorbed onto an absorptive material such as universal binder, hydrated lime, Fuller's earth or other absorbent clays. Collect the contaminated absorbent in suitable containers. Clean area with much water and industrial detergent. Absorb wash liquid onto an absorptive material and collect in suitable containers. The used containers should be properly closed and labelled.

Large spills which soak into the ground should be dug up and transferred to suitable containers.

Spills in water should be contained as much as possible by isolation of the contaminated water. The contaminated water must be collected and removed for treatment or disposal.

6.4. Reference to other sections

See subsection 8.2. for personal protection. See section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Pregnant women should not work with this product. See section 11.

In an industrial environment, it is recommended to avoid all personal contact with the product, if possible by using closed systems with remote system control. The material should be handled by mechanical means as much as possible. Adequate ventilation or local exhaust ventilation is required. The exhaust gases should be filtered or treated otherwise. For personal protection in this situation, see section 8.

For its use as a pesticide, first look for precautions and personal protection measures on the officially approved label on the packaging or for other official guidance or policy in force. If these are lacking, see section 8.

Remove contaminated clothing immediately. Wash thoroughly after handling. Before removing gloves, wash them with water and soap. After work, take off all work clothes and footwear. Take a shower, using water and soap. Wear only clean clothes when leaving job. Wash protective clothing and protective equipment with water and soap after each use.

Do not discharge to the environment. Do not contaminate water when disposing of equipment wash waters. Collect all waste material and



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 7 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	June 2018

remains from cleaning equipment, etc., and dispose of as hazardous waste. See section 13 for disposal.

7.2. Conditions for safe storage, including any incompatibilities

The product is stable under normal conditions of warehouse storage. At temperatures below -10°C crystallisation may occur. Protect from frost. Storage at temperatures 5 - 30°C is recommended.

The product is degraded by fluorinated packaging materials.

Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. A warning sign reading "POISON" is recommended. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

7.3. **Specific end use(s)**

The product is a registered pesticide which may only be used for the applications it is registered for, in accordance with a label approved by the regulatory authorities.

♣ SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Dimethylsulphoxide

ACGIH (USA) TLV
2015
OSHA (USA) PEL
EU. 2000/39/EC

Year
2015
Not established
2009
Not established

EU, 2000/39/EC as amended

Germany, MAK 2014 50 ppm (160 mg/m³)

Peak limitation: 100 ppm (320 mg/m³)

Skin notation

HSE (UK) WEL 2011 Not established

However, other personal exposure limits defined by local regulations may exist and must be observed.

Tebuconazole

EFSA has established an AOEL of 0.03 mg/kg bw/day

PNEC 1 μg/l

8.2. **Exposure controls** When used in a closed system, personal protection equipment will not

be required. The following is meant for other situations, when the use of a closed system is not possible, or when it is necessary to open the system. Consider the need to render equipment or piping systems non-

hazardous before opening.



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 8 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	Iuma 2019
		June 2018

The precautions mentioned below are primarily meant for handling of the undiluted product and for preparing the spray solution, but can be recommended for spraying as well.

In cases of incidental high exposure, maximal personal protection may be necessary, such as respirator, face mask, chemical resistant coveralls.



Respiratory protection

The product does not normally present an inhalation hazard, but in the event of a discharge of the material which produces a heavy vapour or mist, workers should put on officially approved respiratory protection equipment with a universal filter type including particle filter.



Protective gloves

Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber. The breakthrough times of these materials for the product are unknown. Generally, however, the use of protective gloves will give only partial protection against dermal exposure. Small tears in the gloves and cross-contamination can easily occur. It is recommended to shift the gloves frequently and to limit the work to be done manually.



Eye protection

Wear safety glasses. It is recommended to have an eye wash fountain immediately available in the workplace when there is a potential for eye contact.



Other skin protection

Wear appropriate chemical resistant clothing to prevent skin contact depending on the extent of exposure. During most normal work situations where exposure to the material cannot be avoided for a limited time span, waterproof pants and apron of chemical resistant material or coveralls of polyethylene (PE) will be sufficient. Coveralls of PE must be discarded after use if contaminated. In cases of excessive or prolonged exposure, coveralls of barrier laminate may be required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on physical and chemical properties

Appearance Light yellow liquid

Melting point/freezing point Not determined; crystallisation may take place below -10°C.

Not applicable (liquid)

Upper/lower flammability or

Flammability (solid/gas)

explosive limits **Dimethylsulphoxide** : 2.6 - 28 vol%



Thyborønvej 78 DK-7673 Harboøre

Denmark +45 9690 9690 www.fmc.com

CVR No. DK 12 76 00 43

Material group	16I/1640	Page 9 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	
		June 2018

3.1 x 10⁻⁶ Pa at 25°C

: $\log K_{ow} = 3.7$ (at 20°C; unionised)

Dimethylsulphoxide : 60 Pa at 20°C

Density: 0.978 g/ml at 20°C

Solubility (ies) Solubility of **tebuconazole** in:

ethyl acetate > 250 g/ln-heptane > 250 g/l at 20°C

water 32 mg/l at 20°C

Partition coefficient n-octanol/water **Tebuconazole**

262°C

4.90 mPa.s at 40°C Not explosive

9.2. Other information

Miscibility The product can be dispersed in water.

SECTION 10: STABILITY AND REACTIVITY

10.2. **Chemical stability** Stable at ambient temperatures.

10.3. **Possibility of hazardous reactions** None known.

10.4. **Conditions to avoid** Heating of the product will produce harmful and irritant vapours.

10.6. **Hazardous decomposition products** See subsection 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on toxicological effects** * = Based on available data, the classification criteria are not met.

Product

by inhalation. * However, it should always be treated with the usual care of handling chemicals. The acute toxicity of the product is

measured as:

Route(s) of entry - ingestion LD_{50} , oral, rat: > 2000 mg/kg (method OECD 420)

- skin LD_{50} , dermal, rat: > 2000 mg/kg (method OECD 402)

- inhalation LC_{50} , inhalation, rat: > 5.13 mg/l/4 h (method OECD 403)

signs of toxicity at this concentration



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 10 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	
		June 2018

Skin corrosion/irritation	The product may be moderately irritating to skin (method OECD 404).	
Serious eye damage/irritation	The product may be moderately irritating to eyes (method OECD 405).	
Respiratory or skin sensitisation	The product is found to be allergenic to mice (method OECD 429).	
Germ cell mutagenicity	The product contains no ingredients known to be mutagenic. *	
Carcinogenicity	The product contains no ingredients known to be carcinogenic. *	
Reproductive toxicity	Adverse effects on fertility such as reduced litter size and effects on development were found for tebuconazole at maternally toxic doses in an animal test (method OECD 416). Malformations of offspring were found at maternally toxic doses (based on 13 studies).	
STOT – single exposure	To our knowledge, no specific effects have been observed after single exposure. *	
STOT – repeated exposure	The following has been measured on the active ingredient tebuconazole: Several effects were found in rats at LOEL 80 mg tebuconazole/kg bw/day for 13 weeks. Liver, adrenals, spleen and eyes were affected. *	
Aspiration hazard	The product does not present an aspiration hazard. *	
Symptoms and effects, acute and delayed	The first symptom to appear after skin or eye contact will be irritation. When a similar product was fed to laboratory animals at high doses, the main symptoms were passivity, impaired mobility and shortness of breath.	
<u>Tebuconazole</u> Toxicokinetics, metabolism and distribution	Tebuconazole is almost completely absorbed, metabolised and excreted within a few days. It is widely distributed in the body. There is no evidence of accumulation.	
Acute toxicity	The substance may be harmful by ingestion. It is not considered as harmful by skin contact or by inhalation. However, it should always be treated with the usual care of handling chemicals.	
Route(s) of entry - ingestion	$LD_{50},$ oral, rat (male): 4000 - >5000 mg/kg (method OECD 401)	
	LD_{50} , oral, rat (female): 1700 - > 5000 mg/kg	
- skin	LD_{50} , dermal, rat: > 2000 mg/kg (method OECD 402) *	
- inhalation	LC_{50} , inhalation, rat: > 5.093 mg/l/4 h (method OECD 403) *	
Skin corrosion/irritation	Not irritating to skin (method OECD 404). *	



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690

+45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 11 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	I 2010
		June 2018

Serious eye damage/irritation Mildly irritating to eyes (method FIFRA 81-4). *

Respiratory or skin sensitisation ... Not sensitising (method OECD 406). *

Octan-1-ol

Toxicokinetics, metabolism and

distribution

Octan-1-ol is rapidly absorbed and extensively metabolised. It is

primarily excreted by expiration as carbon dioxide.

skin contact. * The acute toxicity is measured as:

Route(s) of entry - ingestion LD_{50} , oral, rat: > 3200 mg/kg

- skin LD₅₀, dermal, guinea pig: > 1000 mg/kg

- inhalation LC₅₀, inhalation, rat: not available

Skin corrosion/irritation Mildly irritating to skin. *

Serious eye damage/irritation Mildly to moderately irritating to eyes. *

Respiratory or skin sensitisation ... To our knowledge, allergenic effects have not been reported. *

Tristyrylphenyl-polyethyleneglycol-phosphoric acid

Acute toxicity The substance is not considered as harmful by inhalation, ingestion or

skin contact. * The acute toxicity is measured as:

 $Route(s) \ of \ entry \qquad \ -ingestion \qquad LD_{50}, \ oral, \ rat: \ > 2000 \ mg/kg \ (method \ OECD \ 401)$

skin LD₅₀, dermal, rat: not determined
 inhalation LC₅₀, inhalation, rat: not determined

Serious eye damage/irritation Irritating to eyes (method OECD 405).

Respiratory or skin sensitisation ... Not determined.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives

as:

Route(s) of entry - ingestion LD₅₀, oral, rat: 1350 - 1470 mg/kg

skin LD₅₀, dermal, rat: not accessible
 inhalation LC₅₀, inhalation, rat: not accessible

Skin corrosion/irritation Corrosive to skin.

Serious eye damage/irritation Corrosive to eyes.

Respiratory or skin sensitisation ... Not sensitising to guinea pigs. *



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 12 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	1 2010
		June 2018

SECT	ΓΙΟΝ 12: ECOL	OGICAL INFORMA	TION			
12.1.	Toxicity		The product is toxic to green algae and may be harmful to fish and aquatic invertebrates. It is not considered as harmful to birds, soil micro- and macroorganisms, insects and mammals.			
	The following h	as been measured on th	ne product:	e product:		
			orhynchus mykiss)	96-h LC ₅₀	24.2 mg/l	
	- Invertebrates	Daphnids (Daphnia r	magna)	48-h EC ₅₀	17.2 mg/l	
	- Algae	Green algae (Desmod	desmus subspicatus)	72-h EC ₅₀ 72-h NOEC	28.05 mg/l 2.88 mg/l	
	- Earthworms	Eisenia fetida		14-day LC ₅₀	1203 mg/kg dry soil	
	- Bees	Honey bee (Apis mel	lifera L.)	48 -h LD_{50} , oral 48 -h LD_{50} , contact	74 μg/bee 339 μg/bee	
12.2.	Persistence and degradability		Tebuconazole is not readily biodegradable. It is slowly degraded in soil. Primary degradation half-lives vary with circumstances, usually from around 40 to 180 days in aerobic soil. The product contains minor amounts of not readily biodegradable ingredients, which may not be degradable in waste water treatment			
12.3.	Bioaccumulativ	ve potential	plants. See section 9 for octanol-water partition coefficient.			
			Tebuconazole is considered to have a low bioaccumulative potential. The Bioconcentration Factor (BCF) of tebuconazole is measured to be 65 on average for whole fish (measured on several fish species).			
12.4.	Mobility in soil	l	Tebuconazole is of low mo	bility in soil.		
12.5.	Results of PBT and vPvB assessment		None of the ingredients meets the criteria for being PBT or vPvB.			
12.6.	Other adverse	effects	Other relevant hazardous effects in the environment are not known.			
♣ SE	ECTION 13: DIS	POSAL CONSIDERA	ATIONS			
13.1.	Waste treatmen	nt methods	Remaining quantities of the should be regarded as hazar		out unclean packaging	
			Disposal of waste and packa all applicable local regulation		e in accordance with	
	Disposal of prod	duct	According to the Waste Fra possibilities for reuse or rep is not feasible, the material	rocessing should first	t be considered. If this	



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 13 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	Iuma 2019
		June 2018

licensed chemical destruction plant or by controlled incineration with flue gas scrubbing.

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Disposal of packaging

It is recommended to consider possible ways of disposal in the following order:

- 1. Reuse or recycling should first be considered. Reuse is prohibited except by the authorisation holder. If offered for recycling, containers must be emptied and triply rinsed (or equivalent). Do not discharge rinsing water to sewer systems.
- 2. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.
- 3. Delivery of the packaging to a licensed service for disposal of hazardous waste.
- 4. Disposal in a landfill or burning in open air should only occur as a last resort. For disposal in a landfill, containers should be emptied completely, rinsed and punctured to make them unusable for other purposes. If burned, stay out of smoke.

SECTION 14: TRANSPORT INFORMATION

ADR/RID/IMDG/IATA/ICAO classification

14.1.	UN number	3082
14.2.	UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (tebuconazole)
14.3.	Transport hazard class(es)	9
14.4.	Packing group	III
14.5.	Environmental hazards	Marine pollutant
14.6.	Special precautions for user	Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do not discharge to the environment.
14.7.	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	The product is not transported in bulk by ship.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso category (Dir. 2012/18/EU): dangerous for the environment

Dir. 92/85/EEC: The employer shall assess the degree and duration of exposure at the workplace and any possible effect on pregnant women working with this product, and decide which measures should be taken.



Thyborønvej 78 DK-7673 Harboøre

Denmark +45 9690 9690 www.fmc.com

Material group	16I/1640	Page 14 of 15
Product name	1640, TEBUCONAZOLE 200 g/I EC	I 2019
		June 2018

Young people under the age of 18 are not allowed to work with the substance.

All ingredients are covered by EU chemical legislation.

15.2. Chemical safety assessment A chemical safety assessment is not required to be included for this

product.

♣ SECTION 16: OTHER INFORMATION

Relevant changes in the safety data	3.6	
sheet	Minor coi	rrections only.
List of abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	AOEL	Acceptable Operator Exposure Level
	CAS	Chemical Abstracts Service
	Dir.	Directive
	DNEL	Derived No Effect Level
	EC	Emulsifiable Concentrate, or
		European Community
	EC_{50}	50% Effect Concentration
	EFSA	European Food Safety Authority
	EINECS	European INventory of Existing Commercial Chemical Substances
	ELINCS	European LIst of Notified Chemical Substances
	FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
	GHS	Globally Harmonized classification and labelling System of chemicals, Fifth revised edition 2013
	HSE	Health and Safety Executive
	IBC	International Bulk Chemical code
	ISO	International Organisation for Standardization
	IUPAC	International Union of Pure and Applied Chemistry
	LC_{50}	50% Lethal Concentration
	LD_{50}	50% Lethal Dose
	LOEL	Lowest Observed Effect Level
	MAK	Maximale Arbeitsplatz-Konzentration
	MARPOI	L Set of rules from the International Maritime Organisation
		(IMO) for prevention of sea pollution
	NOEC	No Observed Effect Concentration
	n.o.s.	Not otherwise specified
	OECD	Organisation for Economic Cooperation and Development
	OSHA	Occupational Safety and Health Administration
	PBT	Persistent, Bioaccumulative, Toxic
	PEL	Permissible Exposure Limit
	PNEC	Predicted No Effect Concentration
	D	The state of the s

Registration, or

Specific Target Organ Toxicity

Regulation

Reg.

STOT



Thyborønvej 78 DK-7673 Harboøre Denmark +45 9690 9690 www.fmc.com CVR No. DK 12 76 00 43

Material group	16I/1640	Page 15 of 15
Product name	1640, TEBUCONAZOLE 200 g/l EC	
		June 2018

	TLV vPvB WEL WHO	Threshold Limit Value very Persistent, very Bioaccumulative Workplace Exposure Limit World Health Organisation
References	Data measured on the product are unpublished company data. Data on ingredients are available from published literature and can be found several places.	
Method for classification	Eye irritation: test data Sensitisation – skin: test data Toxic to reproduction: calculation method Hazards to the aquatic environment: calculation method	
Used hazard statements	H302 H314 H317 H319 H361d H400 H410 EUH401	Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. To avoid risks to human health and the environment, comply with the instructions of use.
Advice on training	This material should only be used by persons who are made aware of its hazardous properties and have been instructed in the required safety precautions.	

The information provided in this safety data sheet is believed to be accurate and reliable, but uses of the product vary and situations unforeseen by FMC Corporation may exist. The user has to check the validity of the information under local circumstances.

Prepared by: FMC Corporation / Cheminova A/S / GHB