



Product code	–	Page 1 of 13
Product name	CIRCUIT SYNC TEC	June 2017
		Supersedes May 2017

SAFETY DATA SHEET

Circuit Sync Tec


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** **Circuit Sync Tec**
Contains metazachlor
- 1.2. **Relevant identified uses of the substance or mixture and uses advised against** Can be used as herbicide only.
- 1.3. **Details of the supplier of the safety data sheet** **CHEMINOVA A/S**, a subsidiary of FMC Corporation
Thyborønvej 78
DK-7673 Harboøre
Denmark
SDS.Ronland@fmc.com
- 1.4. **Emergency telephone number**
- Medical emergencies:
- | | |
|-------------------------------------|---|
| Austria: +43 1 406 43 43 | Netherlands: +31 30 274 88 88 |
| Belgium: +32 70 245 245 | Norway: +47 22 591300 |
| Bulgaria: +359 2 9154 409 | Poland: +48 22 619 66 54 |
| Cyprus: 1401 | +48 22 619 08 97 |
| Czech Republic: +420 224 919 293 | Portugal: 808 250 143 (in Portugal only) |
| +420 224 915 402 | +351 21 330 3284 |
| Denmark: +45 82 12 12 12 | Romania: +40 21318 3606 |
| France: +33 (0) 1 45 42 59 59 | Slovakia: +421 2 54 77 4 166 |
| Finland: +358 9 471 977 | Slovenia: +386 41 650 500 |
| Greece: 30 210 77 93 777 | Spain: +34 91 562 04 20 |
| Hungary: +36 80 20 11 99 | Sweden: +46 08-331231 |
| Ireland (Republic): +352 1 809 2166 | 112 |
| Italy: +39 02 6610 1029 | Switzerland: 145 |
| Lithuania: +370 523 62052 | United Kingdom: 0870 600 6266 (in the UK only) |
| +370 687 53378 | U.S.A. & Canada: +1 800 / 331-3148 (PROSAR) |
| Luxembourg: +352 8002 5500 | All other countries: +1 651 / 632-6793 (PROSAR - Collect) |
- For fire, leak, spill or other accident emergencies:
- | |
|---|
| U.S.A.: +1 800 / 424 9300 (CHEMTREC) |
| All other countries: +1 703 / 527 3887 (CHEMTREC - Collect) |

Product code	–	Page 2 of 13
Product name	CIRCUIT SYNC TEC	June 2017

♣ SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture	Carcinogenicity: Category 2 (H351) Hazards to the aquatic environment, acute: Category 1 (H400) chronic: Category 1 (H410)
WHO classification	Class U (Unlikely to present acute hazard in normal use)
Health hazards	The ingredient metazachlor is suspected of causing cancer.
Environmental hazards	The product is very toxic to aquatic organisms.
2.2. Label elements	
<i>According to EU Reg. 1272/2008 as amended</i>	
Product identifier	Circuit Sync Tec Contains metazachlor
Hazard pictograms (GHS08, GHS09)	
Signal word	Warning
Hazard statements	
H351	Suspected of causing cancer.
H410	Very toxic to aquatic life with long lasting effects.
Supplementary hazard statements	
EUH208	Contains metazachlor. May produce an allergic reaction.
EUH401	To avoid risks to human health and the environment, comply with the instructions of use.
Precautionary statements	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection.
P308+P313	IF exposed or concerned: Get medical attention/advice.
P501	Dispose of contents/container as hazardous waste.
2.3. Other hazards	None of the ingredients in the product meets the criteria for being PBT or vPvB.

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.
<i>Active ingredients</i>	
Metazachlor	Content: 20 - 40% by weight

Product code	–	Page 3 of 13
Product name	CIRCUIT SYNC TEC	June 2017

CAS name Acetamide, 2-chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-yl-methyl)-
CAS no. 67129-08-2
IUPAC names N-((1H-Pyrazol-1-yl)methyl)-2-chloro-N-(2,6-dimethylphenyl)-acetamide
2-Chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide
ISO name/EU name Metazachlor
EC no. (EINECS no.) 266-583-0
EU index no. 616-205-00-9
Molecular weight 277.7
Classification of the ingredient Sensitisation – skin: Category 1B (H317)
Carcinogenicity: Category 2 (H351)
Hazards to the aquatic environment, acute: Category 1 (H400)
chronic: Category 1 (H410)

Clomazone Content: 1 - 5% w/w
CAS name 3-Isoxazolidinone, 2-[(2-chlorophenyl)methyl]-4,4-dimethyl-
CAS no. 81777-89-1
IUPAC name(s) 2-(2-Chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one
2-(2-Chlorobenzyl)-4,4-dimethylisoxazolidin-3-one
ISO-name Clomazone
EC no. (EINECS no.) None
EU index no. None
Molecular weight 239.7
Classification of the ingredient Acute oral toxicity: Category 4 (H302)
Acute inhalation toxicity: Category 4 (H332)
Hazards to the aquatic environment, acute: Category 1 (H400)
chronic: Category 1 (H410)

<u>Reportable ingredients</u>	Content (% w/w)	CAS no.	EC no.	Classification
Hydrocarbons, C10-C13, aromatics, < 1% naphthalene Reg. no. 01-2119451097-39	5 - 15		922-153-0	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)
Lignosulfonic acid, sodium salt, sulfomethylated	< 5	68512-34-5	None	Eye Irrit. 2 (H319)

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 water. Wash with water and soap. Get medical attention if any symptom 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.

Product code	–	Page 4 of 13
Product name	CIRCUIT SYNC TEC	June 2017

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 fluids again. Get medical attention immediately.
4.2. Most important symptoms and effects, both acute and delayed	Unknown
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.
Notes to physician	A specific antidote for exposure to this material is not known. Gastric lavage and/or the administration of activated charcoal can be considered. After decontamination, treatment should be directed at the control of symptoms and the clinical condition.

SECTION 5: FIRE-FIGHTING MEASURES
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5.1. Extinguishing media	Dry chemical or carbon dioxide for small fires, water spray or foam for large fires. Avoid heavy hose streams.
5.2. Special hazards arising from the substance or mixture	The essential breakdown products are volatile, malodorous, toxic, irritant and inflammable compounds such as hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide 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, closable 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 rubber boots. Stop the source of the spill immediately if safe to do so. 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

Product code	–	Page 5 of 13
Product name	CIRCUIT SYNC TEC	June 2017

drains. Uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

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).

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, Fuller’s earth or other absorbent clays. Collect the contaminated absorbent in suitable containers. Clean area with detergent and much water. Absorb wash liquid with absorbent and transfer to 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
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7.1. Precautions for safe handling

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 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. Protect from extreme heat.

Store in closed, labelled containers. The storage room should be

Product code	–	Page 6 of 13
Product name	CIRCUIT SYNC TEC	June 2017

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**
 Personal exposure limits To our knowledge not established for the active ingredients in this product.

Aromatic hydrocarbons 100 ppm total hydrocarbon is recommended.
 However, other personal exposure limits defined by local regulations may exist and must be observed.

Metazachlor
 DNEL 0.2 mg/kg bw/day
 PNEC, aquatic environment 20 ng/l

Clomazone
 DNEL 0.133 mg/kg bw/day
 PNEC, aquatic environment 0.22 mg/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.

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 automatically present an airborne exposure concern when handled carefully, but in the event of an accidental discharge of the material which produces a heavy vapour or mist, workers must 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, but it is expected that they will give adequate protection.

Product code	–	Page 7 of 13
Product name	CIRCUIT SYNC TEC	June 2017



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 brown liquid
Odour	Slight, aromatic
Odour threshold	Not determined
pH	6.9 - 8.5
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	> 100°C
Evaporation rate	Not determined
Flammability (solid/gas)	Not applicable (liquid)
Upper/lower flammability or explosive limits	Aromatic hydrocarbons : 0.6 - 7.0 vol% (≈ 0.6 - 7.0 kPa)
Vapour pressure	Metazachlor : 9.5×10^{-5} Pa at 20°C
	Clomazone : 1.92×10^{-2} Pa at 25°C
Vapour density	Not determined
Relative density	1.132 at 20°C
Solubility(ies)	Solubility of metazachlor at 20°C in:
	ethyl acetate > 250 g/l
	n-heptane < 10 g/l
	water 0.45 g/l
	Clomazone is soluble in acetone, acetonitrile, chloroform, cyclohexanone, dichloromethane, methanol, toluene, heptane, dimethylformamide.
	Solubility of clomazone in water: 1100 mg/l
Partition coefficient n-octanol/water	Metazachlor : $\log K_{ow} = 2.49$ at 21°C
	Clomazone : $\log K_{ow} = 2.5$
	Aromatic hydrocarbons : some of the main components have $\log K_{ow} = 4.0 - 4.4$ at 25°C by model calculation
Autoignition temperature	> 400°C
Decomposition temperature	Not determined
Viscosity	269 - 464 mPa.s at 20°C
Explosive properties.....	Not explosive
Oxidising properties	Not oxidising

9.2. Other information

Miscibility The product is dispersible in water.

Product code	–	Page 8 of 13
Product name	CIRCUIT SYNC TEC	June 2017

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity** To our knowledge, the product has no special reactivities.
- 10.2. **Chemical stability** The product is stable during normal handling and storage at ambient temperatures.
- 10.3. **Possibility of hazardous reactions** None known.
- 10.4. **Conditions to avoid** Heating of the product will evolve harmful and irritant vapours. The product can be ignited by e.g. flame, spark or hot surface.
- 10.5. **Incompatible materials** None known.
- 10.6. **Hazardous decomposition products** See subsection 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION
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- 11.1. **Information on toxicological effects** * = Based on available data, the classification criteria are not met.
- Product
- Acute toxicity The product is not considered as harmful by single exposures. * The acute toxicity is measured as:
- Route(s) of entry - ingestion LD₅₀, oral, rat: > 2000 mg/kg
- skin LD₅₀, dermal, rat: > 2000 mg/kg
- inhalation LC₅₀, inhalation, rat: > 2.4 mg/l/4 h
- Skin corrosion/irritation Not irritating to skin. *
- Serious eye damage/irritation Not irritating to eyes. *
- Respiratory or skin sensitisation ... Not sensitising. *
- Germ cell mutagenicity The product contains no ingredients known to be mutagenic. *
- Carcinogenicity The active ingredient metazachlor is a suspected carcinogen. Increase of various tumour types was observed in rats and mice.
- Reproductive toxicity The product contains no ingredients known to have adverse effects on reproduction. *
- 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 metazachlor:
Target organ: liver and red blood cells
NOAEL/NOEL: 250 ppm (20 - 30 mg/kg bw/day) in a 90-day rat study (method OECD 408). At this dose level adaptive changes in the liver and decreased number of red blood cells were seen. *
- Aspiration hazard The product does not present an aspiration hazard. *

Product code	–	Page 9 of 13
Product name	CIRCUIT SYNC TEC	June 2017

Symptoms and effects, acute and delayed Unknown

Metazachlor

Toxicokinetics, metabolism and distribution

The substance is rapidly absorbed. It is widely distributed in the body, but preferably binds to red blood cells. It is extensively metabolised and rapidly excreted, approx. 80% within 24 hours. There is no evidence of accumulation.

Acute toxicity Metazachlor is not considered harmful by single exposure. * The acute toxicity is measured as:

Route(s) of entry - ingestion LD₅₀, oral, rat: > 2000 mg/kg (method OECD 401)
 - skin LD₅₀, dermal, rat: > 2000 mg/kg (method OECD 402)
 - inhalation LC₅₀, inhalation, rat: > 1.58 mg/l/4 h (method OECD 403)

Skin corrosion/irritation Not irritating to skin (method OECD 404). *

Serious eye damage/irritation Slightly irritating to eyes (method OECD 405). *

Respiratory or skin sensitisation ... Results from animal tests are mixed:
 Magnussen and Kligman maximisation test: positive
 Open epicutaneous test: negative
 Buehler test (method OECD 406): negative
 Second Buehler test (method OECD 406): negative

Clomazone

Toxicokinetics, metabolism and distribution

Clomazone is rapidly absorbed and excreted. It is widely distributed in the body and almost completely metabolised. There is no evidence of accumulation.

Acute toxicity Clomazone is harmful by ingestion. The acute toxicity is measured as:

Route(s) of entry - ingestion LD₅₀, oral, rat (female): 768 mg/kg (method OECD 425)
 - skin LD₅₀, dermal, rat: > 2000 mg/kg (method OECD 402) *
 - inhalation LC₅₀, inhalation, rat: > 5.02 mg/l/4 h (method OECD 403) *

Skin corrosion/irritation Slightly irritating to skin (method OECD 404). *

Serious eye damage/irritation Slightly irritating to eyes (method OECD 405). *

Respiratory or skin sensitisation ... Not a skin sensitizer (method OECD 429). *

Hydrocarbons, C10-C13, aromatics, < 1% naphthalene

Acute toxicity

The substance is not considered as harmful. * The acute toxicity as measured on a similar product is:

Route(s) of entry - ingestion LD₅₀, oral, rat: > 5000 mg/kg (method OECD 401)
 - skin LD₅₀, dermal, rat: > 2000 mg/kg (method OECD 402)
 - inhalation LC₅₀, inhalation, rat: > 4.7 mg/l (method OECD 403)

Product code	–	Page 10 of 13
Product name	CIRCUIT SYNC TEC	June 2017

Skin corrosion/irritation	Can cause skin dryness (measured on similar products; method OECD 404).
Serious eye damage/irritation	May cause mild, short-lasting discomfort to eyes (measured on similar products; method OECD 405). *
Respiratory or skin sensitisation ...	Not expected to cause respiratory or skin sensitisation (measured on similar products; method OECD 406). *
Aspiration hazard	Aromatic hydrocarbons present an aspiration hazard.
<u>Lignosulfonic acid, sodium salt, sulfomethylated</u>	
Acute toxicity	The substance is not considered as harmful by single exposure. *
Route(s) of entry	
- ingestion	LD ₅₀ , oral, rat: not available
- skin	LD ₅₀ , dermal, rat: not available
- inhalation	LC ₅₀ , inhalation, rat: not available
Serious eye damage/irritation	Causes serious eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	<p>The product is a herbicide and must therefore be expected to be harmful to all plants. It is toxic to algae, but it is considered as non-toxic to daphnids, fish, soil micro- and macroorganisms, birds and insects.</p> <p>The ecotoxicity measured on the product is:</p> <p>96-h LC₅₀, fish: > 100 mg/l 48-h EC₅₀, daphnids: > 45 mg/l 72-h E_rC₅₀, algae: 0.209 mg/l</p>
12.2. Persistence and degradability	<p>Metazachlor is biodegradable in the environment, but does not meet the criteria for being readily biodegradable. Primary degradation rates vary from one to several weeks in aerobic soil. It is degraded slower in water.</p> <p>Clomazone is moderately persistent in the environment. Primary degradation half-lives vary with circumstances, from a few weeks to a few months in aerobic soil and water. Degradation occurs microbiologically.</p> <p>The product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.</p>
12.3. Bioaccumulative potential	<p>See section 9 for octanol-water partition coefficients.</p> <p>The active ingredients in this product have a low potential to bioaccumulate.</p> <p>Clomazone: the measured bioaccumulation factor of clomazone is 27 - 40. It is rapidly excreted.</p>

Product code	–	Page 11 of 13
Product name	CIRCUIT SYNC TEC	June 2017

- 12.4. **Mobility in soil** Under normal conditions **metazachlor** and **clomazone** are of moderate mobility 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.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. **Waste treatment methods** Remaining quantities of the material and empty but unclean packaging should be regarded as hazardous waste.
- Disposal of waste and packagings must always be in accordance with all applicable local regulations.
- Disposal of product According to the Waste Framework Directive (2008/98/EC), possibilities for reuse or reprocessing should first be considered. If this is not feasible, the material can be disposed of by removal to a 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. 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. (metazachlor)
- 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

Product code	–	Page 12 of 13
Product name	CIRCUIT SYNC TEC	June 2017

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

The employer shall assess any risks to the safety or health and any possible effect on the pregnancies or breastfeeding of workers and decide what measures should be taken (Dir. 92/85/EEC).

The Young Worker Directive (94/33/EC) prohibits people under the age of 18 to work with this product.

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 sheet

Minor corrections only.

List of abbreviations

- CAS Chemical Abstracts Service
- Dir. Directive
- DNEL Derived No Effect Level
- EC European Community
- EC₅₀ 50% Effect Concentration
- E_rC₅₀ 50% Effect Concentration based on growth
- EINECS European INventory of Existing Commercial Chemical Substances
- GHS Globally Harmonized classification and labelling System of chemicals, Fifth revised edition 2013
- IBC International Bulk Chemical code
- ISO International Organisation for Standardization
- IUPAC International Union of Pure and Applied Chemistry
- LC₅₀ 50% Lethal Concentration
- LD₅₀ 50% Lethal Dose
- MARPOL Set of rules from the International Maritime Organisation (IMO) for prevention of sea pollution
- NOAEL No Observed Adverse Effect Level
- NOEL No Observed Effect Level
- n.o.s. Not otherwise specified
- OECD Organisation for Economic Cooperation and Development
- PBT Persistent, Bioaccumulative, Toxic
- PNEC Predicted No Effect Concentration
- Reg. Regulation
- STOT Specific Target Organ Toxicity
- vPvB very Persistent, very Bioaccumulative
- WHO World Health Organisation

Product code	–	Page 13 of 13
Product name	CIRCUIT SYNC TEC	June 2017

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 Carcinogenicity: calculation rules
Hazards to the aquatic environment: test data

Used hazard statements H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains metazachlor. May produce an allergic reaction.
EUH401 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