

Product code	6710 (50000627)	Page 1 of 13
Product name	Clomazone 360 g/l CS	Revision: February 2021
Safety data sheet according to EU Reg. 1907/2006 as amended		Supersedes May 2017

SAFETY DATA SHEET

Clomazone 360 g/l CS

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** **Clomazone 360 g/l CS**
- 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** **FMC Agricultural Solutions A/S**
 Thyborønvej 78
 DK-7673 Harbøre
 Denmark
SDS.Ronland@fmc.com
- 1.4. **Emergency telephone number**
Medical emergencies:
- | | |
|-------------------------------------|---|
| Austria: +43 1 406 43 43 | Malta: 112 |
| Belgium: +32 70 245 245 | Netherlands: +31 30 274 88 88 |
| Bulgaria: +359 2 9154 409 | Norway: +47 22 591300 |
| Cyprus: 1401 | Poland: +48 22 619 66 54 |
| Czech Republic: +420 224 919 293 | +48 22 619 08 97 |
| +420 224 915 402 | Portugal: 800 250 250 (in Portugal only) |
| Denmark: +45 82 12 12 12 | +351 21 330 3284 |
| England and Wales: 111 | Romania: +40 21318 3606 |
| Estonia: +372 7943500 | Scotland: +8454 24 24 24 |
| Finland: +358 9 471 977 | Slovakia: +421 2 54 77 4 166 |
| France: +33 (0) 1 45 42 59 59 | Slovenia: +386 41 650 500 |
| Greece: 30 210 77 93 777 | South Africa: +27 83 123 3911 (Bateleur Emergency Response Co.) |
| Hungary: +36 80 20 11 99 | Spain: +34 91 562 04 20 |
| Ireland (Republic): +353 1 837 9964 | Sweden: +46 08-331231 |
| Italy: +39 02 6610 1029 | 112 |
| Latvia: +371 670 42 473 | Switzerland: 145 |
| 112 | Turkey: 114 |
| Lithuania: +370 523 62052 | U.S.A. & Canada: +1 800 / 331 3148 |
| +370 687 53378 | All other countries: +1 651 / 632 6793 (Collect) |
| Luxembourg: +352 8002 5500 | |

For fire, leak, spill or other accident emergencies:

U.S.A.: +1 800 / 424 9300 (CHEMTREC)
 All other countries: +1 703 / 741 5970 (CHEMTREC - Collect)

Product code	–	Page 2 of 13
Product name	Clomazone 360 g/l CS	February 2021

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. **Classification of the substance or mixture** Hazards to the aquatic environment, chronic: Category 2 (H411)
- WHO classification Class U (Unlikely to present acute hazard in normal use)
- Health hazards No serious hazards to health are expected.
- Environmental hazards The product is toxic to aquatic organisms.
- 2.2. **Label elements**
According to EU Reg. 1272/2008 as amended
- Product identifier Clomazone 360 g/l CS
- Hazard pictogram (GHS09)
- 
- Signal word Warning
- Hazard statement
 H410 Very toxic to aquatic life with long lasting effects.
- Supplementary hazard statements
 EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.
 EUH401 To avoid risks to human health and the environment, comply with the instructions of use.
- Precautionary statements
 P273 Avoid release to the environment.
 P391 Collect spillage.
 P501 Dispose of contents and 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.
- Active ingredient
- Clomazone** Content: 34% w/w
- CAS name 3-Isoxazolidinone, 2-[(2-chlorophenyl)methyl]-4,4-dimethyl-
- CAS no. 81777-89-1

Product code	–	Page 3 of 13
Product name	Clomazone 360 g/l CS	February 2021

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	239.70
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), M-factor 1 chronic: Category 1 (H410), M-factor 1

<u>Reportable ingredients</u>	Content (% w/w)	CAS no.	EC no. (EINECS no.)	Classification
Hydrocarbons, C10-C13, aromatics, < 1% naphthalene Reg. no. 01-2119451097-39	7		922-153-0	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) EUH066
1,2-Benzisothiazol-3(2H)-one	max. 0.012	2634-33-5	EINECS no.: 220-120-9	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Specific concentration limit for Skin Sens. 1A (H317): C ≥ 0.05 %

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.
Ingestion	Let the exposed person rinse mouth and drink several glasses of water or milk, but not induce vomiting. If vomiting does occur, take care that vomit does not enter airways. Let the exposed person rinse mouth and drink fluids again. Get medical attention immediately.

Product code	–	Page 4 of 13
Product name	Clomazone 360 g/l CS	February 2021

- 4.2. **Most important symptoms and effects, both acute and delayed** When fed to animals, the active ingredient in this product caused decreased activity, tearing eyes, bleeding from the nose and incoordination
- 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

- 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. Avoid and reduce formation of vapour or mist as much as possible.
- 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	Clomazone 360 g/l CS	February 2021

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

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.

Product code	–	Page 6 of 13
Product name	Clomazone 360 g/l CS	February 2021

7.2. Conditions for safe storage, including any incompatibilities

The product is stable under normal conditions of warehouse storage (5 - 30°C). Protect from frost and extreme heat.

Formation of crystals is induced by a big headspace in the container. Therefore, containers should be completely filled. The content of partially filled containers is not suitable for later use.

Keep in sealed, labelled containers. The containers should be sealed to prevent water evaporation. Product dryout can lead to difficulties in cleaning equipment and increased operator exposure.

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

Personal exposure limits

To our knowledge not established for the active ingredient 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

Clomazone

DNEL

Not established

PNEC, aquatic environment

The EFSA has established an AOEL of 0.133 mg/kg bw/day
 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

Product code	—	Page 7 of 13
Product name	Clomazone 360 g/l CS	February 2021

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.



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 basic physical and chemical properties

Physical state	Liquid, viscous
Colour	Off-white
Odour	Of aromatic hydrocarbons
Melting point/freezing point	Below 0°C
Boiling point or initial boiling point and boiling range	Approx. 104°C
Flammability	Not ignitable
Lower and upper explosive limit ..	Not determined
Flash point	None below the boiling point
Auto-ignition temperature	Above 400°C if any
Decomposition temperature	Not determined
pH	Undiluted: 7.5 - 8.9 1% emulsion in water: 6.6 - 7.3
Kinematic viscosity	Viscosity depends on shear rate. 7593 mm ² /s at 20°C 7037 mm ² /s at 40°C
Solubility	The product is dispersible in water. Clomazone is soluble in acetone, acetonitrile, chloroform,

Product code	–	Page 8 of 13
Product name	Clomazone 360 g/l CS	February 2021

	cyclohexanone, dichloromethane, methanol, toluene, heptane, dimethylformamide.
	Solubility of clomazone in water: 1100 mg/l
Partition coefficient n-octanol/water (log value)	Clomazone : log K_{ow} = 2.5
Vapour pressure	Clomazone : 1.92×10^{-2} Pa at 25°C
Density and/or relative density	Density: 1.08 g/ml at 20°C
Relative vapour density	Not determined
Particle characteristics	Not applicable (liquid)

9.2. **Other information** No more relevant information is available.

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.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	See subsection 5.2.

♣ SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008** * = 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	LD ₅₀ , oral, rat: > 2000 mg/kg (method OECD 425)
- skin	LD ₅₀ , dermal, rat: > 2000 mg/kg (method OECD 402)
- inhalation	LC ₅₀ , inhalation, rat: cannot be measured because of technical reasons
Skin corrosion/irritation	Not irritating to skin (method OECD 404). *
Serious eye damage/irritation	Not irritating to eyes (method OECD 405). *
Respiratory or skin sensitisation ...	Not sensitising (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. *

Product code	–	Page 9 of 13
Product name	Clomazone 360 g/l CS	February 2021

Reproductive toxicity	The product contains no ingredients found 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 clomazone: Target organ: liver LOAEL: 4000 ppm (400 mg/kg bw/day) in a 90-day rat study (method OECD 408). At this dose level, increased liver weight and increased cholesterol were seen. *
Aspiration hazard	The product does not present an aspiration hazard. *

Clomazone

This formulation contains **microencapsulated clomazone**. The toxicity of encapsulated clomazone is lower than that of clomazone itself. It approaches the toxicity of clomazone only in cases where grinding actions break up the capsules, thus freeing the active ingredient.

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	LD ₅₀ , oral, rat (female): 768 mg/kg (method OECD 425)
- skin	LD ₅₀ , dermal, rat: > 2000 mg/kg (method OECD 402) *
- inhalation	LC ₅₀ , 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	LD ₅₀ , oral, rat: > 5000 mg/kg (method OECD 401)
- skin	LD ₅₀ , dermal, rat: > 2000 mg/kg (method OECD 402)
- inhalation	LC ₅₀ , inhalation, rat: > 4.7 mg/l (method OECD 403)
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). *

Product code	–	Page 10 of 13
Product name	Clomazone 360 g/l CS	February 2021

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>1,2-Benzisothiazol-3(2H)-one</u>	
Acute toxicity	The substance is harmful by ingestion.
Route(s) of entry - ingestion	LD ₅₀ , oral, rat (male): 670 mg/kg LD ₅₀ , oral, rat (female): 784 mg/kg (method OPPTS 870.1100, measured on 73% solution)
Skin corrosion/irritation	Slightly irritating to skin (method OPPTS 870.2500)
Serious eye damage/irritation	Severely irritating to eyes (method OPPTS 870.2400)
Respiratory or skin sensitisation ...	Moderate dermal sensitizer to guinea pigs (method OPPTS 870.2600). The substance appears to be significantly more sensitising to humans.

11.2. **Information on other hazards** No more relevant information is available.

♣ SECTION 12: ECOLOGICAL INFORMATION

12.1. **Toxicity** The product is a herbicide and therefore expected to be toxic to all plants. The product is harmful to green algae, daphnids and fish. It is considered as non-toxic to soil micro- and macroorganisms, birds and insects.

The following has been measured on the product:

- Fish	Rainbow trout (<i>Oncorhynchus mykiss</i>)	96-h LC ₅₀ : 64.8 mg/l
- Invertebrates	Daphnids (<i>Daphnia magna</i>)	48-h EC ₅₀ : 28.4 mg/l
- Algae	Green algae (<i>Pseudokirchneriella subcapitata</i>) ...	72-h EC ₅₀ : 20.4 mg/l
- Plants	Duckweed (<i>Lemna gibba</i>)	7-day EC ₅₀ : 22.6 mg/l 7-day NOEC: 0.95 mg/l
- Earthworms	<i>Eisenia fetida</i>	14-day LC ₅₀ : 679 mg/kg dry soil
- Bees	Honeybees (<i>Apis mellifera</i> L.)	48-h LD ₅₀ , oral: > 309 µg/bee 48-h LD ₅₀ , contact: > 279 µg/bee

12.2. **Persistence and degradability** **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.

The product contains minor amounts of not readily biodegradable components, which may not be degradable in wastewater treatment plants.

Product code	–	Page 11 of 13
Product name	Clomazone 360 g/l CS	February 2021

- 12.3. **Bioaccumulative potential** See section 9 for octanol-water partition coefficients.
- Clomazone** has a low potential to bioaccumulate. The measured bioaccumulation factor of clomazone is 27 - 40. It is rapidly excreted.
- 12.4. **Mobility in soil** Under normal conditions **clomazone** is 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. **Endocrine disrupting properties** None of the ingredients is known to have endocrine disrupting properties.
- 12.7. **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 possible, 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. 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

Product code	–	Page 12 of 13
Product name	Clomazone 360 g/l CS	February 2021

- 14.1. **UN number** 3082
- 14.2. **UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (clomazone)
- 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. **Maritime transport in bulk according to IMO instruments** .. 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
 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 Acute Tox. Acute Toxicity
 AOEL Acceptable Operator Exposure Level
 Asp. Tox. Aspiration Toxicity
 CAS Chemical Abstracts Service
 CS Capsule Suspension
 Dir. Directive
 DNEL Derived No Effect Level
 EC European Community
 EC₅₀ 50% Effect Concentration
 EFSA European Food Safety Authority
 EINECS European INventory of Existing Commercial Chemical Substances
 Eye Dam. Eye Damage
 GHS Globally Harmonized classification and labelling System of chemicals, seventh revised edition 2017
 IMO International Maritime Organisation
 ISO International Organisation for Standardization
 IUPAC International Union of Pure and Applied Chemistry
 LC₅₀ 50% Lethal Concentration
 LD₅₀ 50% Lethal Dose

Product code	–	Page 13 of 13
Product name	Clomazone 360 g/l CS	February 2021

LOAEL	Lowest Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
n.o.s.	Not otherwise specified
OECD	Organisation for Economic Cooperation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative, Toxic
PNEC	Predicted No Effect Concentration
Reg.	Registration, or Regulation
Skin Irrit.	Skin Irritation
Skin Sens.	Skin Sensitisation
STOT	Specific Target Organ Toxicity
vPvB	very Persistent, very Bioaccumulative
WHO	World Health Organisation

References Data measured on this and a similar product are unpublished company data. Data on ingredients are available from published literature and can be found several places.

Method for classification Test data

Used hazard statements
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
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.
EUH066 Repeated exposure may cause skin dryness and cracking.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May cause 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 Agricultural Solutions A/S / GHB