

print: 10.03.2025

rev n°: 2 (replaces version 1)

Revision date: 10.03.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: <u>ISERAN</u> kind of formulation: ZC - mixed formulation of CS and SC

Article number: Not applicable Registration number REACH Not applicable. UFI: 05GE-C14G-UC0N-6X4U 1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant use: Agriculture. Herbicide Agrochemicals formulation. Product category PC27 Plant protection products Application of the substance / the mixture Plant protection product Agricultural chemicals

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: SIPCAM OXON S.p.A.

Registered office: Via Carroccio, 8 - 20123 Milano, Italia Management: Via Sempione, 195 - 20016 Pero (MI), Italia Production site: Via Vittorio Veneto, 81 - 26857 Salerano s. Lambro (LO), Italia

Tel.: +39 0371 5961 (8:00 - 17:00 GMT+1) Website: www.sipcam-oxon.com E-mail: msds@sipcam.com **1.4 Emergency telephone number:** Emergency phone: +39 02 353781 (8.00-17.00 GMT+1). For any questions regarding this MSDS please contact: msds@sipcam.com. For ROI only: In the event of an emergency, call the National Poisons Centre, Beaumont Hospital at 01 809 2566 or 01 837 9964

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture 2.1.1 Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

Repr. 2H361d Suspected of damaging the unborn child.STOT RE 2H373May cause damage to the eyes and the nervous system through prolonged or repeated
exposure.

GHS09 environment

Aquatic Acute 1H400Very toxic to aquatic life.Aquatic Chronic 1H410Very toxic to aquatic life with long lasting effects.

GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

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iue nume. ISEN	11.7
Hazard pictogr	(Contd. of page 1)
\wedge	
GHS07 GI	HS08 GHS09
Signal word Wa	arning
Hazard-determ	ining components of labelling:
mesotrione	8 · · · · · · · · · · · · · · · · · · ·
Hazard stateme	nts
H319 Causes s	serious eye irritation.
	ed of damaging the unborn child.
H373 May cau	use damage to the eyes and the nervous system through prolonged or repeated exposure.
H410 Very tox	ic to aquatic life with long lasting effects.
Precautionary s	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
	easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with national regulations.
Additional info	
	t contaminate water with the product or its container.
	ins 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
	oid risks to human health and the environment, comply with the instructions for use.
2.3 Other hazar	
	and vPvB assessment
	re does not contain any PBT substances.
	ure does not contain any vPvB substances.
	of endocrine-disrupting properties
The substance/	mixture does not contain components considered to have endocrine disrupting properties in accordance

The substance/mixture does not contain components considered to have endocrine disrupting properties in accordance with Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions:

Dangerous components:

N° CAS Desig	nation	R-Phrases	%
CAS: 104206-82-8 Index number: 609-064-00-X	mesotrione	OT RE 2, H373; 🚯 Aquati nic 1, H410 (M=10)	ic Acute 1, H400
CAS: 10035-04-8 EINECS: 233-140-8 Reg.nr.: 01-2119494219-28	calcium chloride		≥2.5-<10%
CAS: 81777-89-1 EC number: 617-258-0 Index number: 613-340-00-5	Clomazone Aquatic Acute 1, H- H302; Acute Tox. 4, H- ATE: LD50 oral: 768 r LC50 (4 h) inhal	ng/kg	2.5-10% Acute Tox. 4,
CAS: 7631-99-4 EINECS: 231-554-3 Reg.nr.: 01-2119488221-41	Sodium nitrate	Eye Irrit. 2, H319	≥2.5-<10%
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CAS: 90093-37-1	2,4,6-Tris(1-phenylethyl)polyoxyethylenated phosphates	<2.5%
	♦ Eye Irrit. 2, H319	
CAS: 7664-38-2	phosphoric acid	<2.5%
EINECS: 231-633-2	Met. Corr.1, H290; Skin Corr. 1B, H314	
Index number: 015-011-00-6	Specific concentration limits: Skin Corr. 1B; H314: $C \ge 25 \%$	
Reg.nr.: 01-2119485924-24-xxxx	<i>Skin Irrit. 2; H315: 10 % ≤ C < 25 %</i>	
	<i>Eye Irrit. 2; H319: 10 % ≤ C < 25 %</i>	
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	<0.025%
EINECS: 220-120-9		
Index number: 613-088-00-6	H400; Aquatic Chronic 1, H410; $()$ Acute Tox. 4, H302; Skin Irrit. 2,	
Reg.nr.: 01-2120761540-60-xxxx		
-	ATE: LD50 oral: 450 mg/kg	
	Specific concentration limit: Skin Sens. 1A; H317: $C \ge 0.036$ %	

Additional information

Factor M=1, unless otherwise stated. For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.

After skin contact Instantly wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor. After swallowing

Call a doctor immediately.

Rinse out mouth without swallowing, do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Seek the advice of a Poison Control Centre

Treat symptomatically and supportively

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents None.

5.2 Special hazards arising from the substance or mixture Formation of poisonous gases during heating or in fires. 5.3 Advice for firefighters

5.5 Advice for firefigniers

Protective equipment: Put on breathing apparatus.

Wear protective clothing conforming to European Standard EN 469.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Do not allow extinguishing media and spilled material to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on breathing apparatus. Keep people at a distance and stay on the windward side.

Keep people at a distance and stay on the windwa Wear protective clothing.

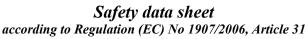
6.1.1. For non-emergency personnel

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wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eves and personal clothing;

remove ignition sources, provide sufficient ventilation, control dust;

apply emergency procedures, evacuate the danger area or consult an expert.



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6.1.2. For emergency responders wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing; In case of dust provide inalation protection Wear protective clothing, boots and glasses 6.2 Environmental precautions: Avoid ignition sources. Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers). Collect with suitable equipment and do not allow to enter drainage system, surface or ground water. 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation. 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. Wear personal protective equipments (PPE). The usual precautionary measures for handling chemicals shall be observed. **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Keep breathing equipment ready.

Handling

Avoid contact with the skin and vapour inhalation; do not eat, drink nor smoke while working. Avoid direct or indirect contact with the product. Do not eat, drink or smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store in a cool and ventilated place, away from heat source and direct sunlight without open sewage system. Keep out the reach of children, unauthorized persons and animals. Keep away from food, drink and animal feedingstuffs. **Requirements to be met by storerooms and containers:** Store only in the original container.

Information about storage in one common storage facility: Prevent storage with uncompatible materials (see chapter 10). Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Storage class 12 7.3 Specific end use(s) Agriculture To be applied strictly for the uses described in the label.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with	limit values that	t require mon	itoring at th	e workplace:

CAS: 7664-38-2 phosphoric acid

WEL (Gran Bretagna) Short-term value: 2 mg/m³

Long-term value: 1 mg/m³

DNELs

CAS: 10035-04-8 calcium chloride

Inhalative DNEL Short-term 13 mg/m³ (workers)

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		6.6 mg/m^3 (consumers)	
	DNEL Long-term	6.6 mg/m ³ (workers)	
		3.3 mg/m ³ (consumers)	
CAS: 7631	-99-4 Sodium nitr	ate	
Oral	DNEL Long-term	12.5 mg/kg bw/day (consumers)	
Dermal	DNEL Long-term	20.8 mg/kg bw/day (workers)	
		12.5 mg/kg bw/day (consumers)	
Inhalative	DNEL Long-term	36.7 mg/m ³ (workers)	
		10.9 mg/m ³ (consumers)	
CAS: 7664	-38-2 phosphoric	acid	
Inhalative	DNEL Short-term	2 mg/m ³ (workers)	
	DNEL Long-term	1 mg/m ³ (workers)	
		0.73 mg/m ³ (consumers)	
PNECs	•		
CAS: 7631	-99-4 Sodium nitr	ate	

PNEC 18 mg/L (sewage treatment plant)

4.5 mg/L (intermittent release in water)

0.045 mg/L (marine water)

0.45 mg/L (water)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls Eye wash stations shall be available in the work area. Individual protection measures, such as personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals shall be observed.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Pregnant women must strictly avoid inhalation or contact with the skin.

Do not eat, drink or smoke while working.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.



Breathing protection recommended in accordance with the relevant European Standards.

Hand protection

Protective gloves (rubber or plastic).



Protective gloves against chemicals and micro-organisms in accordance with EN 374

Material of gloves Nitrile rubber, NBR Eye/face protection



Tightly sealed safety glasses in accordance with EN 166.

Body protection: Protective work clothing. **Boots** Safety footwear for professional use in accordance with EN 345.

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SIPCAM OXON

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

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Environmental exposure controls Waste waters from equipment cleaning shall be disposed according to local and national regulation.

9.1 Information on basic physical and chemical properties General Information Physical state Liquid Colour: Beige Odour: Characteristic Odour threshold: Not determined. Melting point/freezing point: Not determined Boiling point or initial boiling point and boiling range Not determined Flammability Not explosive Lower and upper explosion limit Not explosive Lower: Not explosive Method EU A.14 Nor explosive Method EU A.14 Non flammable until boil for any low of the explosive Method EU A.14 Non flammable until boil for any low of the explosive Method EU A.14 Non flammable until boil for any low of the explosive Muto-ignition temperature: 570 °C (EU A.15) Decomposition temperature: Not determined. pH at 25.3 °C 2.98 (CIPAC MT 75.3) pH value 3.47 (CIPACM MT 75. pH (undiluited sample) Viscosity: Kinematic viscosity at 20 °C 286 - 2518 mm²/s (OEC Solubility Mater: dispersible Partition coefficient n-octanol/water (log value) Not d	oiling) 3) CD 114)
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Viscosity: 286 - 2518 mm²/s (OEC Kinematic viscosity at 20 °C 286 - 2518 mm²/s (OEC Kinematic viscosity at 40 °C 695 - 4744 mm²/s (OEC Solubility dispersible Water: dispersible Partition coefficient n-octanol/water (log value) Not determined. Vapour pressure: Not determined.	
Kinematic viscosity at 20 °C286 - 2518 mm²/s (OECKinematic viscosity at 40 °C695 - 4744 mm²/s (OECSolubilityGenerativeWater:dispersiblePartition coefficient n-octanol/water (log value)Not determined.Vapour pressure:Not determined.	
Kinematic viscosity at 40 °C695 - 4744 mm²/s (OECSolubilitydispersibleWater:dispersiblePartition coefficient n-octanol/water (log value)Not determined.Vapour pressure:Not determined.	
SolubilitydispersibleWater:dispersiblePartition coefficient n-octanol/water (log value)Not determined.Vapour pressure:Not determined.	(D 114)
Water:dispersiblePartition coefficient n-octanol/water (log value)Not determined.Vapour pressure:Not determined.	
Partition coefficient n-octanol/water (log value)Not determined.Vapour pressure:Not determined.	
Vapour pressure: Not determined.	
Dansity and/or valative dansity	
Density and/or relative density	
Relative density at 20 °C 1.151 g/ml (OECD 109	9; EU A.3)
Vapour density Not determined.	
9.2 Other information	
Appearance:	
Form: Viscous liquid	
Important information on protection of health and	
environment, and on safety.	tina
Self-inflammability: Product is not selfignit	ung.
Method EU A.15	
Explosive properties: Product is not explosiv	<i>'e</i> .
Method EU A.14	
Change in condition	
Softening point/range	
Oxidising properties Not an oxidiser	
Method EU A.21	
<i>Evaporation rate</i> Not determined.	
Information with regard to physical hazard classes	
	losive. Method EU A.14
Flammable gases Not relevant due to th	he nature of the product, it doesn't not
provide usefull informa	
	he nature of the product, it doesn't not
provide usefull informa	
	he nature of the product, it doesn't no
provide usefull informa	
	he nature of the product, it doesn't not
provide usefull informa	
provide usejuit informa	
	(Contd. on page 7



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Flammable liquids	<i>The product is not flammable as it does not contain flammable solvents.</i>
Flammable solids	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Self-reactive substances and mixtures	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Pyrophoric liquids	Product is not autoflammable. Method EU A.15
Pyrophoric solids	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Self-heating substances and mixtures	The product is not auto-flammable since it doesn't contain auto-flammable solvents
Substances and mixtures, which emit flammable	e gases in
contact with water	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Oxidising liquids	Product not oxidising. Method EU A.21
Oxidising solids	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Organic peroxides	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Corrosive to metals	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Desensitised explosives	Not relevant due to the nature of the product, it doesn't not provide usefull informations

SECTION 10: Stability and reactivity

10.1 Reactivity The product is not reactive under recommended handling conditions.

10.2 Chemical stability Stable under the recommended handling and storage conditions (see section 7).

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions are known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: None in standard storage conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50	values that a	ire relevant for classification:
ISERAN		
Oral	LD50	>2,000 mg/kg Calculation method
Inhalative	LC50 (4 h)	67.08 mg/L Calculation method
CAS: 1042	206-82-8 me	sotrione
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 (4 h)	mg/L (rat) > 4.75 mg/l
CAS: 1003	5-04-8 calc	ium chloride
Oral	LD50	2,301 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit)
CAS: 8177	7-89-1 Clor	nazone
Oral	LD50	768 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50 (4 h)	4.85 mg/L (ATE)
		(Contd. on pag



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CAS: 7631	-99-4 So	odium nitrate	(Contd. of page
	LD50	2,000 mg	
Dermal	LD50	5,000 mg	
		-	c acid, sodium salt, sulfomethylated
	LD50		mg/kg (rat)
		(h) > 480 mg	
		osphoric aci	
	LD50	2,600 mg	
Orai Dermal	LD50 LD50	-	ng/kg (rabbit)
Primary in			ig/kg (10000)
Primary in Skin corro	riiani ejj sion/irrii	tation Based	on available data, the classification criteria are not met.
		ritation - Test	
		mesotrione	•
		kin corrosion	(rabbit)
innunon o	y skin Si	un corrosion	Non irritante
CAS: 8177	7-89-1 (Clomazone	1
		kin corrosion	(rabbit)
	<i>y</i> s 21		Not irritant
CAS: 6851	2-34-5 L	Lignosulfonio	c acid, sodium salt, sulfomethylated
Irritation o	f skin Sk	kin corrosion	(rabbit)
	- -		Not irritant
Serious ey	e damag	e/irritation C	auses serious eye irritation.
Serious ey	e damag	e / Irritation	- Test
CAS: 1042	206-82-8	mesotrione	
Irritation o	f eyes E	ye Irritation	(rabbit)
			Leggermente irritante
CAS: 8177	7-89-1 (Clomazone	
Irritation o	f eyes E	ye Irritation	
			Not irritant
			c acid, sodium salt, sulfomethylated
Irritation o	f eyes E	ye Irritation	(rabbit) Irritant
Respirator	v or skin	sensitisatior	1 Based on available data, the classification criteria are not met.
Sensitisati			
CAS: 6851	2-34-5 I	Lignosulfonio	c acid, sodium salt, sulfomethylated
Sensitizatio			
		ensitizing	
Germ cell	mutagen	icity Based o	n available data, the classification criteria are not met.
			able data, the classification criteria are not met.
			of damaging the unborn child.
			n available data, the classification criteria are not met. ause damage to the eyes and the nervous system through prolonged or repeated exposu
			uise damage to the eyes and the hervous system through protonged or repeated exposu vilable data, the classification criteria are not met.
			ns and effects see section 4.
Additional	toxicolo	gical inform	ation:
			itation and corrosivity) No further information available.
('MP offer			utagenicity and toxicity for reproduction) Formulation classified as suspected teratoge
	папоп о		
11.2 Inform	1		
11.2 Inform Endocrine	_	ng properties ents is listed.	

SECTION 12: Ecological information

12.1 Toxicity Very toxic to aquatic life with long lasting effects.

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Aquatic toxic	vity:
I ISERAN	·
EC50 (48h)	>500 mg/L (Daphnia magna)
	15.55 mg/L (algae Pseudokirchneriella subcapitata)
ErC50	76.85 mg/l (algae Pseudokirchneriella subcapitata)
	0.05273 mg/l (lemna gibba)
CAS: 104206	5-82-8 mesotrione
LC50 (96h)	>120 mg/L (rainbow trout (oncorhynchus mykiss))
()	900 mg/L (Daphnia magna)
. ,	0.87 mg/L (algae Pseudokirchneriella subcapitata)
NOEC	0.18 mg/L (algae Pseudokirchneriella subcapitata) (72 h - NOErC)
	0.008 mg/L (lemna gibba) (14 d)
CAS: 10035-	04-8 calcium chloride
	4,630 mg/L (pimephales promelas)
	2,400 mg/L (Daphnia magna) (OECD 202)
	>4,000 mg/L (algae Pseudokirchneriella subcapitata) (OECD 201)
NOEC	320 mg/L (Daphnia magna)
	21 d
CAS: 81777-	89-1 Clomazone
LC50 (96h)	15.5 mg/L (rainbow trout (oncorhynchus mykiss))
EC50 (48h)	12.7 mg/L (Daphnia magna)
EC50	>185 mg/L (algae) (Navicula pelliculosa - 120 h - ErC50)
	>34 mg/L (lemna gibba) (14 d - ErC50)
CAS: 7631-9	9-4 Sodium nitrate
LC50 (96h)	6,000 mg/L (fish)
EC50 (48h)	8,600 mg/L (Daphnia magna)
CAS: 68512-	34-5 Lignosulfonic acid, sodium salt, sulfomethylated
LC50 (96h)	615 mg/L (pimephales promelas)
EC50 (48h)	5.4 mg/L (Crassostrea gigas)
CAS: 7664-3	8-2 phosphoric acid
LC50 (96h)	>100 mg/L (algae)
	75.1 mg/L (fish) (OECD 203)
EC50 (48h)	>100 mg/L (Daphnia magna)
Environmen	tal toxicity
ISERAN	
Oral LD :	50 >900 μg/bee (bee (Apis mellifera))
	$50 > 900 \ \mu g/bee$ (bee (Apis mellifera))
CAS: 81777-	89-1 Clomazone
Oral EC :	50 2,510 mg/kg (Colinus virginianus)
LD :	50 >85.29 μg/bee (bee (Apis mellifera))
Dermal LD 3	$50 > 100 \ \mu g/bee$ (bee (Apis mellifera))
12.2 Persiste	nce and degradability No further relevant information available.
12.3 Bioaccu	mulative potential
CAS: 81777-	89-1 Clomazone
Octanol / Wa	ter partition coefficient 2.54 (partition n-octanol/water) (23°C)
	34-5 Lignosulfonic acid, sodium salt, sulfomethylated
Octanol / Wa	ter partition coefficient ≤ 3.45
12.4 Mobility	n soil No further relevant information available.
12.5 Results	of PBT and vPvB assessment
PRT · None o	f the ingredients meets the classification requirements.
	of the ingredients meets the classification requirements.

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Remar	rk: Very toxic for fish
DT 50	(active ingredient)
CAS: 1	104206-82-8 mesotrione
DT 50	6-105 days (soil)
	Non persistente
	>30 days (water)
	25°C - persistente
CAS: 8	81777-89-1 Clomazone
DT 50	89 days (soil)
	moderate to persistent
	52.5 days (water)
	slow degradation
	onal ecological information:
	al notes:
	oisonous for fish and plankton in water bodies.
Dange	r to drinking water if even small quantities leak into soil.

Very toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings: Dispose empty packagings according to current regulations.

14.1 UN number or ID number	
ADR/RID/ADN, IMDG, IATA	UN3082
14.2 UN proper shipping name ADR/RID/ADN	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUIL N.O.S. (mesotrione)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (mesotrione), MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (mesotrione)
14.3 Transport hazard class(es)	
ADR/RID/ADN	
Class Label	9 (M6) Miscellaneous dangerous substances and articles. 9
IMDG, IATA	
Class Label	9 Miscellaneous dangerous substances and articles. 9
14.4 Packing group ADR/RID/ADN, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	Product contains environmentally hazardous substances: mesotrione Symbol (fish and tree)



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Special marking (ADR/RID/ADN): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
14.7 Maritime transport in bulk according instruments	to IMO Not applicable.
Transport/Additional information:	
ADR/RID/ADN Limited quantities (LQ)	5L
Excepted quantities $(\widetilde{E}Q)$	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code Remarks:	3 E Transport in Limited Quantities only in suitable packaging. ADR Special Provision 375 may apply for UN 3077 in packagings of 5 kg or less and for UN3082 in packagings of 5 L or less.
IMDG	
Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Remarks:	IMDG Code 2.10.2.7 may apply for UN 3077 in packagings of 5 kg or less and for UN3082 in packagings of 5 L or less.
IATA Remarks:	For UN 3077 in packagings of 5 kg or less and UN3082 in packagings of 5 L or less, Special Provision A197 may appl according to IATA Dangerous Goods Regulation.
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (MESOTRIONE), 9, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixtur	0
Regulation (EC) n. 1907/2006	•
Regulation (EC) n. 1272/2008	
Regulation (EC) n. 790/2009 and (EU) no. 758/2013	
Regulation (EU) n. 2020/878	
Regulation (EU) n. 286/2011	
Regulation (EU) n. 618/2012	
Regulation (EU) n. 487/2013	
Regulation (EU) n. 944/2013	
Regulation (EU) n. 605/2014	
Regulation (EU) n. 2015/1221	
Regulation (EU) n. 2016/918	
Regulation (EU) n. 2016/1179	
Regulation (EU) n. 2017/776	
Regulation (EU) n. 2018/669	
Regulation (EU) n. 2018/521	
Regulation (EU) n. 2018/1480	
Regulation (EU) n. 2020/217	
Regulation (EU) n. 2020/1182	
Regulation (EU) n. 1107/2009	
Regulation (EU) n. 2021/643	
Regulation (EU) n. 2021/849	
Regulation (EU) n. 2022/692	
Regulation (EU) n. 2023/1434	
Regulation (EU) n. 2022/1435	
Regulation (EU) n. 2024/197	
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Directive 2012/18/EU Named dangerous substances - ANNEX I Not applicable

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

CAS: 7631-99-4 Sodium nitrate

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Bibliographic sources:

- ECHA database

- HSDB in Pubchem

- Pesticide properties database
- Pesticide manual

- Internal company documents

Contact:

Product safety department SIPCAM OXON msds@sipcam.com For Poison Centres in Europe see: https://poisoncentres.echa.europa.eu Date of previous version: 26.01.2022 Version number of previous version: 1 Abbreviations and acronyms: EC 50: Effective concentration. 50 percent ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) *LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent* PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Ox. Sol. 2: Oxidizing solids – Category 2 Met. Corr.1: Corrosive to metals – Category 1 Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 2: Acute toxicity - Category 2 Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1A: Skin sensitisation - Category 1A Repr. 2: Reproductive toxicity - Category 2 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

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Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Document elaborated on the basis of the data required by the EC Regulation 1107/2009 (plant protection products) and in accordance with the EC Regulation 878/2020.

* Data compared to the previous version altered.

26.01.2022

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