

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

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

1.1 Product identifier

Trade name: *ISERAN*
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
Refer to section 16 for Poison Centres.
CENTRE ANTIPOISONS BELGE/BELGISCH ANTIGIFCENTRUM/BELGISCHE GIFTNOTRUFZENTRALE
+32 070 245 245
https://www.centreantipoisons.be/

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. 2 H361d Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to the eyes and the nervous system through prolonged or repeated exposure.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very 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.

(Contd. on page 2)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 1)

Hazard pictograms



GHS07 GHS08 GHS09

Signal word Warning

Hazard-determining components of labelling:

mesotrione

Hazard statements

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H373 May cause damage to the eyes and the nervous system through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing mist/vapors/spray.

P263 Avoid contact during pregnancy and while nursing.

P280 Wear protective gloves/protective clothing/eye protection/face 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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with national regulations.

Additional information:

SP1 Do not contaminate water with the product or its container.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: The mixture does not contain any PBT substances.

vPvB: The mixture does not contain any vPvB substances.

Determination of endocrine-disrupting properties

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	Designation	R-Phrases	%
CAS: 104206-82-8 Index number: 609-064-00-X	mesotrione ⚠ Repr. 2, H361d; STOT RE 2, H373; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)		10-25%
CAS: 10035-04-8 EINECS: 233-140-8 Reg.nr.: 01-2119494219-28	calcium chloride ⚠ Eye Irrit. 2, H319		≥2.5-<10%
CAS: 81777-89-1 EC number: 617-258-0 Index number: 613-340-00-5	Clomazone ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332 ATE: LD50 oral: 768 mg/kg LC50 (4 h) inhalative: 4.85 mg/L		2.5-10%
CAS: 7631-99-4 EINECS: 231-554-3 Reg.nr.: 01-2119488221-41	Sodium nitrate ⚠ Ox. Sol. 2, H272; ⚠ Eye Irrit. 2, H319		≥2.5-<10%

(Contd. on page 3)

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

CAS: 90093-37-1	2,4,6-Tris(1-phenylethyl)polyoxyethylenated phosphates	(Contd. of page 2)
	⚠ Eye Irrit. 2, H319	<2.5%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24-xxxx	phosphoric acid	<2.5%
	⚠ Met. Corr. 1, H290; Skin Corr. 1B, H314 Specific concentration limits: Skin Corr. 1B; H314: $C \geq 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$ Eye Irrit. 2; H319: $10\% \leq C < 25\%$	
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-xxxx	1,2-benzisothiazol-3(2H)-one	<0.025%
	⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg Specific concentration limit: Skin Sens. 1A; H317: $C \geq 0.036\%$	

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
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.

Wear protective clothing.

6.1.1. For non-emergency personnel

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;

remove ignition sources, provide sufficient ventilation, control dust;

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

(Contd. on page 4)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 3)

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 inhalation 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 incompatible 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 require monitoring at the workplace:

CAS: 7664-38-2 phosphoric acid

WEL (Gran Bretagna)	Short-term value: 2 mg/m ³
	Long-term value: 1 mg/m ³

DNELs

CAS: 10035-04-8 calcium chloride

Inhalative	DNEL Short-term	13 mg/m ³ (workers)
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(Contd. on page 5)

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 4)

		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 nitrate		
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 nitrate		
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.

(Contd. on page 6)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 5)

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

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 applicable because the product is liquid
Lower and upper explosion limit	
Lower:	Not explosive Method EU A.14
Upper:	Not explosive Method EU A.14
Flash point:	Non flammable until boiling
Auto-ignition temperature:	570 °C (EU A.15)
Decomposition temperature:	Not determined.
pH at 25.3 °C	2.98 (CIPAC MT 75.3)
pH value (1% in distilled water) at 25.3 °C	3.47 (CIPAC MT 75.3)
pH (undiluted sample)	
Viscosity:	
Kinematic viscosity at 20 °C	286 - 2518 mm²/s (OECD 114)
Kinematic viscosity at 40 °C	695 - 4744 mm²/s (OECD 114)
Solubility	
Water:	dispersible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Relative density at 20 °C	1.151 g/ml (OECD 109; 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.	
Self-inflammability:	Product is not selfigniting. Method EU A.15
Explosive properties:	Product is not explosive. Method EU A.14
Change in condition	
Softening point/range	
Oxidising properties	Not an oxidiser Method EU A.21
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	The product is not explosive. Method EU A.14
Flammable gases	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Aerosols	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Oxidising gases	Not relevant due to the nature of the product, it doesn't not provide usefull informations
Gases under pressure	Not relevant due to the nature of the product, it doesn't not provide usefull informations

(Contd. on page 7)

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 6)

Flammable liquids	The product is not flammable as it does not contain flammable solvents.
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 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 are relevant for classification:

Oral	LD50	>2,000 mg/kg Calculation method
Inhalative	LC50 (4 h)	67.08 mg/L Calculation method
CAS: 104206-82-8 mesotrione		
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: 10035-04-8 calcium chloride		
Oral	LD50	2,301 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit)
CAS: 81777-89-1 Clomazone		
Oral	LD50	768 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50 (4 h)	4.85 mg/L (ATE)
CAS: 7631-99-4 Sodium nitrate		
Oral	LD50	2,000 mg/kg (rat)

(Contd. on page 8)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 7)

Dermal	LD50	5,000 mg/kg (rat)
CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated		
Oral	LD50	<10,000 mg/kg (rat)
Inhalative	LC50 (4 h)	>480 mg/L (rat)
CAS: 7664-38-2 phosphoric acid		
Oral	LD50	2,600 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Skin corrosion / irritation - Test
CAS: 104206-82-8 mesotrione

Irritation of skin	Skin corrosion	(rabbit)
		Non irritante

CAS: 81777-89-1 Clomazone

Irritation of skin	Skin corrosion	(rabbit)
		Not irritant

CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated

Irritation of skin	Skin corrosion	(rabbit)
		Not irritant

Serious eye damage/irritation Causes serious eye irritation.

Serious eye damage / Irritation - Test
CAS: 104206-82-8 mesotrione

Irritation of eyes	Eye Irritation	(rabbit)
		Leggermente irritante

CAS: 81777-89-1 Clomazone

Irritation of eyes	Eye Irritation	(rabbit)
		Not irritant

CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated

Irritation of eyes	Eye Irritation	(rabbit)
		Irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Sensitisation - Test
CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated

Sensitization	(guinea pig)
	Not sensitizing

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Suspected of damaging the unborn child.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure May cause damage to the eyes and the nervous system through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

Other information: For symptoms and effects see section 4.

Additional toxicological information:
Acute effects (acute toxicity, irritation and corrosivity) No further information available.

CMR effects (cancerogenity, mutagenicity and toxicity for reproduction) Formulation classified as suspected teratogen.

11.2 Information on other hazards
Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

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

Aquatic toxicity:

EC50 (48h)	>500 mg/L (Daphnia magna)
EyC50 (72h)	15.55 mg/L (algae Pseudokirchneriella subcapitata)

(Contd. on page 9)

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 8)

ErC50	76.85 mg/l (algae <i>Pseudokirchneriella subcapitata</i>) 0.05273 mg/l (<i>lemna gibba</i>)
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CAS: 104206-82-8 mesotrione

LC50 (96h)	>120 mg/L (rainbow trout (<i>oncorhynchus mykiss</i>))
EC50 (48h)	900 mg/L (<i>Daphnia magna</i>)
ErC50 (72h)	0.87 mg/L (algae <i>Pseudokirchneriella subcapitata</i>)
NOEC	0.18 mg/L (algae <i>Pseudokirchneriella subcapitata</i>) (72 h - NOErC) 0.008 mg/L (<i>lemna gibba</i>) (14 d)

CAS: 10035-04-8 calcium chloride

LC50 (96h)	4,630 mg/L (<i>pimephales promelas</i>)
EC50 (48h)	2,400 mg/L (<i>Daphnia magna</i>) (OECD 202)
ErC50 (72h)	>4,000 mg/L (algae <i>Pseudokirchneriella subcapitata</i>) (OECD 201)
NOEC	320 mg/L (<i>Daphnia magna</i>) 21 d

CAS: 81777-89-1 Clomazone

LC50 (96h)	15.5 mg/L (rainbow trout (<i>oncorhynchus mykiss</i>))
EC50 (48h)	12.7 mg/L (<i>Daphnia magna</i>)
EC50	>185 mg/L (algae) (<i>Navicula pelliculosa</i> - 120 h - ErC50) >34 mg/L (<i>lemna gibba</i>) (14 d - ErC50)

CAS: 7631-99-4 Sodium nitrate

LC50 (96h)	6,000 mg/L (fish)
EC50 (48h)	8,600 mg/L (<i>Daphnia magna</i>)

CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated

LC50 (96h)	615 mg/L (<i>pimephales promelas</i>)
EC50 (48h)	5.4 mg/L (<i>Crassostrea gigas</i>)

CAS: 7664-38-2 phosphoric acid

LC50 (96h)	>100 mg/L (algae) 75.1 mg/L (fish) (OECD 203)
EC50 (48h)	>100 mg/L (<i>Daphnia magna</i>)

Environmental toxicity

Oral	LD 50	>900 µg/bee (bee (<i>Apis mellifera</i>))
Dermal	LD 50	>900 µg/bee (bee (<i>Apis mellifera</i>))

CAS: 81777-89-1 Clomazone

Oral	EC 50	2,510 mg/kg (<i>Colinus virginianus</i>)
	LD 50	>85.29 µg/bee (bee (<i>Apis mellifera</i>))
Dermal	LD 50	>100 µg/bee (bee (<i>Apis mellifera</i>))

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential
CAS: 81777-89-1 Clomazone

Octanol / Water partition coefficient	2.54 (partition n-octanol/water) (23°C)
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CAS: 68512-34-5 Lignosulfonic acid, sodium salt, sulfomethylated

Octanol / Water partition coefficient	≤3.45
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12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: None of the ingredients meets the classification requirements.

vPvB: None of the ingredients meets the classification requirements.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

Remark: Very toxic for fish

(Contd. on page 10)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 9)

DT 50 (active ingredient)
CAS: 104206-82-8 mesotrione

 DT 50 6-105 days (soil)
 Non persistente
 >30 days (water)
 25°C - persistente

CAS: 81777-89-1 Clomazone

 DT 50 89 days (soil)
 moderate to persistent
 52.5 days (water)
 slow degradation

Additional ecological information:
General notes:

Danger to drinking water if even small quantities leak into soil.

Also poisonous for fish and plankton in water bodies.

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.

SECTION 14: Transport information

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, LIQUID,
 N.O.S. (mesotrione)

IMDG

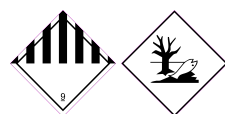
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (mesotrione), MARINE POLLUTANT

IATA

 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (mesotrione)

14.3 Transport hazard class(es)

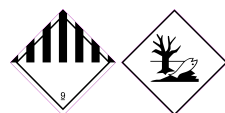
ADR/RID/ADN


Class

9 (M6) Miscellaneous dangerous substances and articles.

Label

9

IMDG, IATA

Class

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

III

14.5 Environmental hazards:
Marine pollutant:

Product contains environmentally hazardous substances: mesotrione

Special marking (ADR/RID/ADN):

Symbol (fish and tree)

Symbol (fish and tree)

(Contd. on page 11)

UL

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 10)

Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Kemler Number:	90
EMS Number:	F-A,S-F
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	E
Remarks:	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)	5L
Excepted quantities (EQ)	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 apply 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 mixture

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

(Contd. on page 12)

Safety data sheet

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

print: 23.01.2025

rev n°: 1

Revision date: 23.01.2025

Trade name: ISERAN

(Contd. of page 11)

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:

23.01.2025

23.01.2025

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

(Contd. on page 13)

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

*print: 23.01.2025**rev n°: 1**Revision date: 23.01.2025****Trade name: ISERAN***

(Contd. of page 12)

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1****Sources****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. .*

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