

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

1.1. Product identifier

Product form : Mixture
Trade name : Pampa 4SC
Product code : SL-950 4SC; IBE 3895
Type of product : SC (Suspension Concentrate)

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Details of the supplier of the safety data sheet

Belchim Crop Protection NV/SA
Technologielaan 7
1840 Londerzeel - Belgium
T +32 (0)52 30 09 06 - F +32 (0)52 30 11 35
info@belchim.com - www.belchim.com

Marketing company

Belchim Crop Protection Limited
1b Fenice Court, Phoenix Park
Eaton Socon, St. Neots
Cambridgeshire PE19 8EW - United Kingdom
T 01480 403333 - F 01480 403444
Info-uk@belchim.com - www.belchim.co.uk

Holder of the authorisation

ISK Biosciences Europe N.V.
Pegasus Park, De Kleetlaan 12B - box 9
B-1831 Diegem - Belgium
T +32 2 627 86 11 - F +32 2 627 86 00
isk-msds@isk.be

1.4. Emergency telephone number

Emergency number : +32(0)14584545
24 H/7 days/English/French/German/Dutch

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) : Warning

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Hazard statements (CLP)	: H315 - Causes skin irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P321 - Specific treatment (see information on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH-statements	: EUH210 - Safety data sheet available on request. EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nicosulfuron (ISO)	(CAS-No.) 111991-09-4	1 – 5	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl, chlorides	(CAS-No.) 61789-80-8 (EC-No.) 263-090-2	< 1	Eye Dam. 1, H318 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Consult a doctor/medical service if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Wash skin with mild soap and water. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents. Consult an eye specialist if necessary.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth out with water. Give water to drink. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : None known.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Carbon dioxide. Polyvalent foam. BC-powder. Alcohol-resistant foam.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Nitrous fumes. Sulphur oxides. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

- Firefighting instructions : Dilute toxic gases with water spray. Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding (the product is hazardous for the environment).
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Gloves. Protective non-flammable clothing. Heat/fire exposure: compressed air/oxygen apparatus. Gas-tight suit.
- Other information : Do not dispose of fire-fighting water in the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ventilate spillage area. No naked flames. Evacuate area. Stop leak if safe to do so. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Protective gloves. Protective clothing. Self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution. Do not allow into drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain the spilled material by bunding (product is hazardous for the environment). Take up liquid spill into absorbent material, e.g.: sand/earth. Shovel into suitable and closed container for disposal.
- Methods for cleaning up : Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material. Shovel into suitable and closed container for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Do not breathe vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not discharge into drains or the environment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety practice. Take off immediately all contaminated clothing and wash it before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep the container hermetically sealed. Store tightly closed in a dry and cool place. Protect from heat and direct sunlight.
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Keep away from naked flames/heat. Keep away from sources of ignition - No smoking. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

PVC or other plastic material or natural rubber gloves. Breakthrough time : refer to the recommendations of the supplier

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

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8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous.
Colour	: opaque. Beige.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
pH solution	: 4,54 (1 %)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C
Auto-ignition temperature	: 410 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,9583
Solubility	: No data available.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 40 °C (61 - 119 mPa.s)
Explosive properties	: None.
Oxidising properties	: None.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat sources.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

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LD50 oral rat	> 5000 mg/kg (OECD 423)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LC50 Inhalation - Rat	> 1,18 mg/l/4h (OECD 403)

Skin corrosion/irritation : Causes skin irritation.
Additional information : May cause moderate irritation (OECD 404 method)
Serious eye damage/irritation : Not classified
Additional information : Not irritating to rabbits on ocular application (OECD 405 method)
Respiratory or skin sensitisation : Not classified
Additional information : (OECD 429 method)
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met

Nicosulfuron (ISO) (111991-09-4)	
NOAEL (chronic, oral, animal/male, 2 years)	199 mg/kg bodyweight

Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-single exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

Pampa 4SC	
LC50 - Fish [1]	55,6 – 100 mg/l (96 H; Oncorhynchus mykiss; OECD 203)
EC50 - Crustacea [1]	82,3 mg/l (48 H; Daphnia magna; OECD 202)
ErC50 algae	> 100 mg/l (96 H; Scenedesmus subspicatus)
ErC50 other aquatic plants	0,0042 mg/l (7d; Lemna gibba)

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12.2. Persistence and degradability

Nicosulfuron (ISO) (111991-09-4)	
Biodegradation	Not readily biodegradable

12.3. Bioaccumulative potential

Nicosulfuron (ISO) (111991-09-4)	
Partition coefficient n-octanol/water (Log Kow)	0,61
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

Nicosulfuron (ISO) (111991-09-4)	
Partition coefficient n-octanol/water (Log Koc)	1,32

12.5. Results of PBT and vPvB assessment

Pampa 4SC	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) :
Ecology - waste materials : Do not contaminate ground and surface water.
European List of Waste (LoW) code : 02 01 08* - agrochemical waste containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information






In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197	Special provision(s) applied : 375	Special provision(s) applied : 375
These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.				
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron)	Environmentally hazardous substance, liquid, n.o.s. (Nicosulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron)
Transport document description				

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UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Nicosulfuron), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nicosulfuron), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

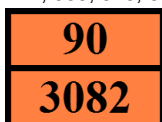
Overland transport

Special provisions (ADR)

: 274, 335, 375, 601

Orange plates

:



EAC code

: •3Z

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

Classification code (ADN)

: M6

Number of blue cones/lights (ADN)

: 0

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
This sheet was updated (refer to the date at the top of this page). SDS changed sections.			
Section	Changed item	Change	Comments
	Extra phrases	Removed	
	Revision date	Modified	
	Supersedes	Modified	
	SDS EU format	Modified	
1.1	Trade name	Modified	
1.1	Product code	Modified	
1.1	Name	Modified	
1.1	UFI	Added	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures general	Added	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
4.1	First-aid measures after eye contact	Modified	
4.2	Symptoms/effects	Added	
5.1	Unsuitable extinguishing media	Added	
5.1	Suitable extinguishing media	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Firefighting instructions	Added	
5.3	Other information	Added	
5.3	Protection during firefighting	Modified	
6.1	Protective equipment	Modified	
6.1	Protective equipment	Added	
6.1	General measures	Added	
6.1	Emergency procedures	Removed	
6.2	Environmental precautions	Modified	

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6.3	Methods for cleaning up	Modified	
6.3	For containment	Modified	
7.1	Precautions for safe handling	Modified	
7.1	Hygiene measures	Modified	
7.2	Heat and ignition sources	Added	
7.2	Special rules on packaging	Added	
7.2	Storage conditions	Modified	
8.2	Hand protection	Modified	
8.2	Personal protective equipment	Removed	
9.1	Colour	Modified	
9.1	Viscosity, dynamic	Modified	
9.1	Relative density	Added	
9.1	Flash point	Added	
9.1	Solubility	Modified	
9.1	pH solution	Modified	
9.1	Boiling point	Removed	
9.1	Auto-ignition temperature	Modified	
9.1	Density	Removed	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	LC50 Inhalation - Rat	Modified	
11.1	LD50 dermal rat	Modified	
11.1	LD50 oral rat	Modified	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
11.1	Additional information	Added	
12.1	ErC50 (other aquatic plants)	Added	
12.1	EC50 72h algae (1)	Removed	
12.1	ErC50 (algae)	Modified	
12.1	LC50 fish 1	Modified	

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12.1	EC50 Daphnia 1	Modified	
13.1	Ecology - waste materials	Added	
13.1	European List of Waste (LoW) code	Added	
13.1	Regional legislation (waste)	Added	
14.6	Special provisions (ADR)	Modified	
15.1	Regulatory reference	Added	
16	Data sources	Added	
16	Abbreviations and acronyms	Added	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50	Median effective concentration
LC50	Median lethal concentration
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
	Log Pow

Data sources : SDS of suppliers. ECHA (European Chemicals Agency). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.