



Safety Data Sheet

According to Regulation (EC) No. 2015/830

INAZUMA

Revision date: 27/11/2020
Revision No. 14

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

1.1 Product Identifier

Product name: Inazuma

Product Code: SAE020I/01

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

Use of substance/mixture: PC27: Plant protection products. Insecticide.

1.3 Details of the supplier of the Safety Data Sheet

Company name: Sumi Agro Europe Ltd.
Vintners' Place
68 Upper Thames Street
London
EC4V 3BJ
United Kingdom

Tel: +44 (0) 207 246 3697 (office hours)

Fax: +44 (0) 207 246 3799

e-mail: sumi@sumiagro.com

1.4 Emergency telephone number

Emergency tel: UK: 0844 892 011 (medical professionals only)

Section 2: Hazard identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008: Acute Tox. 4: H302+H332; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; -: EUH401

Most important adverse effects: Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Label elements (Regulation (EC) No 1272/2008):

Signal word: Warning

Pictograms: GHS07: Exclamation mark
GHS09: Environmental



Hazard statement: H302+H332: Harmful if swallowed or if inhaled.
H317: May cause an allergic skin reaction.
H410: Very toxic to aquatic life with long lasting effects.
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements: P102: Keep out of reach of children.
P261: Avoid breathing dust/spray.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+352: IF ON SKIN: Wash with plenty of water.
P333+313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container to local/regional/national/international regulations.

2.3 Other hazards

PBT: This product is not identified as PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2 Mixture

ACETAMIPRID (ISO)

EINECS	CAS	PBT/WEL	CLP CLASSIFICATION	PERCENT
603-921-1	135410-20-7	--	Acute Tox. 4: H302 Aquatic Chronic 3: H412	10-20%

LAMBDA-CYHALOTHRIN (ISO)

415-130-7	91465-08-6	--	Acute Tox. 2: H330; Acute Tox. 3: H301; Acute Tox. 4: H312; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1-10%
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Section 4: First aid measures**4.1 Description of first aid measures**

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Call for medical help immediately and show this MSDS.

Inhalation: Move to fresh air in case of accidental inhalation of dust and/or particulates.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: May cause sensitisation by skin contact.

Eye contact: Not irritating (rabbit).

Ingestion: Classified as harmful if swallowed.

Inhalation: Classified as harmful by inhalation.

Delayed/immediate effects: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Show this safety data sheet to the doctor in attendance. No specific antidote known. Treatment is symptomatic.

Section 5: Fire-fighting measures**5.1 Extinguishing media**

Extinguishing media: Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion, there may be release of carbon oxides, nitrous gases, chlorides and organic compounds such as aromatic compounds.

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus and complete personal protective equipment to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions

Environmental precautions: Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Observe normal standards for handling agricultural pesticides.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, dry, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in the original packaging. Keep containers tightly closed.

7.3 Specific end use(s)

Specific end use(s): PC27: Plant protection products. Insecticide.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous ingredients:

No data available

8.2 Exposure controls

- Engineering measures: Where exposure may occur, when handling the product, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required:
- Respiratory protection: Self-contained breathing apparatus must be used in handling.
- Hand protection: Chemical resistant gloves.
- Eye protection: Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements such as safety goggles.
- Skin protection: Chemical resistant clothing.
- Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation. An environmental assessment must be made to ensure compliance with local environmental legislation.

Section 9: Physical and chemical properties

*9.1 Information on basic physical and chemical properties

- Appearance: Granules. Water dispersible granules (WG).
- Colour: Light brown.
- Odour: No applicable.
- Evaporation rate: No data available
- Oxidising: Non-Oxidising (by EC criteria)
- Self Ignition: Not self ignite below 400°C
- pH value: 9.5 - 10.0 at 20°C
- Soluble in water: 4.0 mg/l (Acetamiprid); 0.005 mg/l (Lambda-cyhalothrin) at 20°C
- Viscosity: Not applicable, solid.
- Melting point/freezing point: No data available.
- Initial boiling point and boiling range: Not applicable, solid.
- Relative density: 0.703 g/ml (bulk)
- Vapour pressure: Not applicable, solid.
- n-octanol/water partition Partition coefficient for active substances: Kow logP 0.79 (Acetamiprid);

coefficient: Kow logP 5.5 (Lambda-cyhalothrin).

Flash point: Not applicable, solid.

Flammability: Not highly flammable.

VOC g/l: Not applicable.

9.2 Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: None expected under normal conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

Conditions to avoid: Direct sunlight. Heat.

10.5 Incompatible materials

Materials to avoid: Oxidising agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Haz. Decomp. Products: In combustion, there may be release of carbon oxides, nitrous gases, chlorides and organic compounds such as aromatic compounds.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity values:

Acute toxicity

Harmful if swallowed.

Harmful if inhaled.

LD50/oral/rat (OECD 423): $= 300 < \text{LD50} < 2000 \text{ mg/kg}$

LD50/dermal/rat (OECD 402): $> 2000 \text{ mg/kg}$

LC50/inhalation/rat (OECD 403): $> 1 \text{ mg/L}$

ATEmix calculated

ATE (oral) 1538,5 mg/kg; ATE (inhalation vapour) 20,00 mg/l; ATE (inhalation aerosol) 2,000 mg/L

Irritation and corrosivity

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

Skin irritation (rabbit): Non-irritant (OECD 404)

Eyes irritation (rabbit): Non-irritant (OECD 405)

Sensitising effects

May cause an allergic skin reaction.

Local lymph node assay (LLNA) (OECD 42): Sensitising

Carcinogenicity

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

Mutagenicity

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

Toxicity to reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Other information

No specific antidote known. Treatment is symptomatic.

Section 12: Ecological information**12.1 Ecotoxicity:****Toxicity values**

LC50/fish: 0,16 mg/L (96h) (Rainbow trout) (OECD 203)

EC50/Daphnia magna/48 h: 0,026 mg/l (OECD 202)

EyC50/Lemna gibba (OECD 221): 14.11 (frond number yield) mg/L (72h)

LC50/Hyalella azteca (OCSPP 850.1020): 5.1 ng/L

12.2 Persistence and degradability

Persistence and degradability: Acetamiprid: Not readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential: Lambda-cyhalothrin: Bioaccumulative potential.

***12.4 Mobility in soil**

Mobility: Lambda-cyhalothrin: No significant leaching. Lambda-cyhalothrin, DT50, lab, 20 °C, aerobic, mean: 174.6 days.
Acetamiprid: DT50, lab, 20 °C, aerobic, mean: 2.6 days.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as PBT/vPvB substance

12.6 Other adverse effects

Other adverse effects: Very toxic to aquatic organisms.

Section 13: Disposal considerations**13.1 waste treatment methods**

Disposal operations: Waste product can be transferred to a suitable licensed waste disposal contractor. All pesticide waste should be disposed as hazardous, controlled waste.
 Recovery operations: Not applicable.
 Waste code number: 02 01 08
 Disposal of packaging: Waste packaging can be transferred to a suitable licensed waste disposal contractor. If plastic or metal container is empty and triple rinsed, it can be disposed of as non-hazardous, controlled waste.
 NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport Information**Land/Sea Transport ADR/RID/IMDG**

UN number: UN3077
 Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Acetamiprid (ISO); Lambda-cyhalothrin (ISO))
 Transport Class: 9
 Packing Group: III
 Environmentally hazardous: YES
 Marine pollutant: YES
 Transport code: E1
 Transport category: 3

Air Transport IATA-DGR

UN number: UN3077

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Acetamiprid (ISO); Lambda-cyhalothrin (ISO))

Transport Class: 9

Packing Group: III

Special precautions for user: none

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: Labelling is in accordance with Regulation (EC) No 1272/2008 (CLP) in the current version. The safety data sheet is prepared in accordance with EC Directive 2015/830.

15.2 Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment is not required for this product. The mixture is registered as a plant protection product in accordance with Regulation (EC) No 1107/2009. Refer to label for exposure assessment information.

Section 16: Other information

Other information: Use plant protection products safely. Always read the label and product information before use. Ensure you have received adequate training and instructions before use.

* indicates text in the SDS which has changed since the last revision.

The last revision was revision 11. For full details of the changes since the last revision, please contact Sumi Agro Europe Ltd. using the details provided in Section 1.3.

Typical standard abbreviations and acronyms used in Sumi Agro Europe Ltd. Safety Data Sheets are as follows:

CAS No. - Chemicals Abstract Service Registry Number

EC/EINECS No. - European Commission number/European Inventory of Existing Commercial chemical Substances

TWA - Time weighted average

STEL - Short term limit value

DNEL - Derived no effect level

LD50 - Lethal dose, 50%

LC50 - Lethal concentration, 50%

EC50 - Half maximal effective concentration

PBT/vPvB - Persistent, Bioaccumulative, Toxic / very Persistent very Bioaccumulative

Typical Directives and Regulations referred to in Sumi Agro Europe Ltd. Safety Data Sheets are as follows:

Regulation (EC) No 1907/2006 - Concerning the Registration, Evaluation,

Authorisation and restriction of Chemicals (REACH)
Regulation (EC) No 1272/2008 - On Classification, Labelling and
Packaging of Substances and Mixtures (CLP)
This Safety Data Sheet is prepared with Commission Regulation (EU)
2015/830.

Phrases used in s.2 and s.3: H301: Toxic if swallowed.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.
EUH401: To avoid risks to human health and the environment, comply
with the instructions for use.

Legal disclaimer: Before using any product, ensure that you read and understand its label.
The information contained in this safety data sheet is, to the best of our
knowledge and belief, accurate and reliable at the time of publication. The
information relates only to the specific material designated in this safety
data sheet and may not be valid for such material if it is used in
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him/herself as to the suitability in completeness of such information for
his/her own particular use.