



SAFETY DATA SHEET

FASULYA 040 SL

SDS/GHS/lst/1.0

Issue date: 12.01.2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: Fasulya 040 SL
CAS No.: 114311-32-9
Chemical name: contains Imazamox

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

Identified uses: herbicide for agricultural use

Details of the supplier of the safety data sheet

Almandine Corporation SA
Gotthardstrasse 3
6300 Zug
Switzerland
Tel: +44 20 8995 8391 (UK office; 9am -5pm)
Email: almuk@almandine.com

Emergency telephone number: Tel: +44 20 8995 8391
(SDS support, 9.00am-5.00pm; Mon-Fri only, UK)

Formulator site: Agrosmart Ltd
Huddersfield, W. Yorks, UK

SECTION 2: HAZARDS IDENTIFICATION

Skin sens. 1
Aq chronic 2



Pictogram:

Signal word: Warning

Hazard statement(s):

H317: May cause an allergic skin reaction
H411: Toxic to aquatic life with long lasting effects

Precautionary statement(s):

P302+P352: IF ON SKIN: Wash with plenty of water
P333+P313: If skin irritation or rash occurs: Get medical advice/attention

P273: Avoid release to the environment
P391: Collect spillage
P501: Dispose of content/container in accordance with local/national regulations

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Name	CAS No	Concentration g/L	Signal word	H Statement(s)
Imazamox	114311-32-9	40	Warning	H400, H410

SECTION 4: FIRST AID MEASURES

If poisoning occurs or if concerned, immediately contact a doctor or Poisons Information Centre and follow the advice given. Show this Safety Data Sheet to the doctor.

Inhalation:	If inhaled, remove person to fresh air and keep comfortable for breathing. Keep warm and at rest.
Skin contact:	Avoid contact with skin. May irritate skin or produce an allergic skin reaction. Carefully remove contaminated clothing and footwear. Wash affected areas with large amounts of water for at least 10 minutes. Seek medical advice/attention.
Eye contact:	Rinse eyes cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Ingestion:	If swallowed, rinse mouth but do not induce vomiting unless told to do so by a doctor or qualified person. Call a POISON CENTER or doctor if you feel unwell. Seek medical assistance. Never give anything by mouth to an unconscious person.
Treatment:	No specific antidote. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:	Water fog, fine water spray, foam, dry chemical, carbon dioxide. Do not use water jet.
Hazards from combustion products:	Carbon monoxide, carbon dioxide, nitrogen dioxide
Advice for fire fighters:	Fire-fighters should wear full protective gear, including self-contained breathing apparatus. Keep unnecessary people away. Use water spray to cool containers. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear PPE as recommended in section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away.
Environmental precautions:	Prevent product from entering drains or water courses. Warn the local water authority if watercourses become contaminated.

**Clean-up methods:**

Pick up and arrange disposal without creating aerosol. Contain spill and absorb with earth, sand, clay, or other absorbent material, collect and store in sealed drums for safe disposal. Decontaminate the area and equipment by washing areas with water. Keep in suitable, closed containers for disposal. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 7: HANDLING AND STORAGE**Handling:**

Keep out of reach of children. May irritate eyes and skin. Avoid breathing vapour or spray. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Storage:

Store between 5-30°C in the closed original container, in a cool, dry, well-ventilated area, away from direct sunlight and heat /sources of ignition.

Flammability:

Not flammable under normal conditions of use. The product does not sustain combustion.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure limits:**

No data on exposure limits.

Engineering controls:

Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.

Personal protective equipment:

Wear face shield or goggles.
Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots.
Wear elbow length butyl rubber gloves.
If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours.
After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

Do not re-enter treated areas without protective clothing until spray residue has dried.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| a) Appearance: | Pale yellow liquid |
| b) Odour: | sweet |
| c) Odour threshold: | none set |
| d) pH: | 5 - 6 |
| e) Melting point/freezing point: | not determined |
| f) Boiling point/boiling range: | not determined |
| g) Flashpoint: | Does not flash |
| h) Evaporation rate: | not measured |
| i) Flammability (solid/gas): | Not flammable |
| j) Upper/lower flammability or explosive limits: | none set |
| k) Vapour pressure: | 0.0133 mPa (tech.) |
| l) Vapour density: | 9.76×10^{-7} Pa m ³ mol ⁻¹ (tech.) |
| m) Relative density: | 1.03-1.09 g/mL (20°C) |
| n) Solubility: | >626 g/L (water, 20°C, tech.) |



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|-------------------------------|----------------------------------|
| o) Partition coefficient: | Log P _{ow} 5.36 (tech.) |
| p) Auto-ignition temperature: | not determined |
| q) Decomposition temperature: | not determined |
| r) Viscosity: | 72 mPa.s (20°C) |
| s) Explosive properties: | Not explosive |
| t) Oxidising properties: | Not an oxidiser |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity | Stable under normal conditions of use. Will not polymerise. |
| Chemical stability | The product is stable if stored and handled as prescribed /indicated. |
| Possibility of hazardous reactions | No hazardous reactions when stored and handled according to instructions. |
| Conditions to avoid | Sources of ignition and extreme heat. |
| Incompatible materials | Strong oxidisers, strong bases, strong acids. |
| Hazardous decomposition Products: | Does not decompose at ambient temperature. Combustion or thermal decomposition will evolve toxic and irritant vapours. |

SECTION 11: TOXICOLOGICAL INFORMATION

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|-----------------------------|---|
| Oral toxicity: | LD ₅₀ rat: >2000-5000 mg/kg (GHS Cat 5) |
| Dermal toxicity: | LD ₅₀ rat: >2000-5000 mg/kg (GHS Cat 5) |
| Inhalation toxicity: | LC ₅₀ rat: >4.82 mg/L (4h) |
| Skin irritation: | Non-irritant |
| Eye irritation: | Non-irritant |
| Skin sensitisation: | Skin sensitiser (LLNA assay) |
| Long term exposure: | No evidence of long-term risks to man are associated with the normal handling and use of this material. |

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity** (based on similar formulation)

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|--------------------------|--|-------------|
| Fish toxicity: | LC ₅₀ 96 h rainbow trout | >122 mg/L |
| Daphnia toxicity: | EC ₅₀ 48 h <i>Daphnia magna</i> | >122 mg/L |
| Algal toxicity: | EC ₅₀ 120 h Green algae | >0.037 mg/L |

Other aquatic species:

- | | | |
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| Aquatic plants: | EC ₅₀ 7d <i>Lemna gibba</i> | 0.52 mg/L |
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Persistence and degradability:

Imazamox degrades aerobically in the soil to a non-herbicidal metabolite; also degrades by aqueous photolysis;
photodegradation is slow on soil. Imazamox is mobile, but the terminal soil metabolite is moderately mobile to immobile. Leaching of imazamox in field studies was very limited.

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste treatment methods**

- Product:** Dispose of waste product through an official waste contractor.
Obtain advice from local waste regulation authority.
- Contaminated packaging:** Triple- or pressure-rinse containers before disposal. Add rinsings to spray tank.
Do not dispose of undiluted chemicals on-site.
Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORTATION INFORMATION

- UN number:** 3082
- UN Proper Shipping Name:** Environmentally hazardous substance, liquid, N.O.S.
(contains imazamox)
- Transport hazard class:** ADR/RID: 9 IMDG: 9 IATA: 9
- Packaging group:** ADR/RID: III IMDG: III IATA: III
- Environmental hazard:** ADR/RID: Yes IMDG: Marine pollutant: Yes IATA: Yes

SECTION 15: REGULATORY INFORMATION

No additional regulatory information required for this product

SECTION 16: OTHER INFORMATION**H Statements in full:**

- H317: May cause an allergic skin reaction
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's handling of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Sections 9, 11 and 12 based on available EU and own data
Classification of mixture based on ingredients/studies
No previous version