

Safety Data Sheet

MOLYFiX

Safety Data Sheet dated 11/2/2019, version 1

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

1.1. PRODUCT IDENTIFIER

Trade name: MOLYFiX

1.2. RELEVANT IDENTIFIED USES OF THE ARTICLE/MIXTURE AND USES ADVISED AGAINST

Application of the substance / the mixture: Seed treatment for agricultural use

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company: Legume Technology Ltd, Units 3C & 3D, Kneeton Road, Eastbridgford, Nottinghamshire, NG13 8PJ, United Kingdom

Further information obtainable from:

Phone no.: +44 1158 240 585

E-mail: info@legumetechnology.co.uk

1.4. EMERGENCY TELEPHONE NUMBER

Telephone number of the company in case of emergencies: +44 1158 240 585
(available 8 am-4 pm, 5 days a week).

SECTION 2: Hazards identification

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification under CLP: Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. LABEL ELEMENTS

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. OTHER HAZARDS

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

SECTION 3: Composition/information on ingredients

3. 2. MIXTURES

Hazardous ingredients: PHOSPHORIC ACID 81%

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|-----------|-----------|---------------------|---------|
| 231-633-2 | 7664-38-2 | - | Skin Corr. 1B: H314 | 10-30% |

SECTION 4: First aid measures

4. 1. DESCRIPTION OF FIRST AID MEASURES

Skin contact: Wash immediately with plenty of water and soap. If irritation persists, call a physician.

Eye contact: In case of contact with eyes, wash immediately with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

4. 2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing

Delayed / immediate effects: Immediate effects can be expected after short-term exposure

4. 3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Immediate / special treatment: Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting measures

5. 1. EXTINGUISHING MEDIA

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use waterspray to cool containers.

5. 2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5. 3. ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6. 1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6. 2. ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains or rivers. Contain the spillage using bunding

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. REFERENCE TO OTHER SECTIONS

Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1. PRECAUTIONS FOR SAFE HANDLING

Handling requirements: Avoid direct contact with the substance.

Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed

7.3. SPECIFIC END USE(S)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. CONTROL PARAMETERS

Workplace exposure limits: No data available.

DNEL / PNEC: No data available

8.2. EXPOSURE CONTROLS

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

SECTION 9: Physical and chemical properties

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Odourless

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: No data available.

Autoflammability°C: No data available.

Relative density: 1.61 - 1.65 kg/l

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: 4.0 - 4.5

9. 2. OTHER INFORMATION

No data available

SECTION 10: Stability and reactivity

10. 1. REACTIVITY

Stable under recommended transport or storage conditions.

10. 2. 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.

Decomposition may occur on exposure to conditions or materials listed below.

10. 4. CONDITIONS TO AVOID

Heat

10. 5. INCOMPATIBLE MATERIALS

Materials to avoid: Strong oxidising agents. Strong acids.

10. 6. HAZARDOUS DECOMPOSITION PRODUCTS

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11. 1. INFORMATION ON TOXICOLOGICAL EFFECTS

Hazardous ingredients:

PHOSPHORIC ACID 81%

| | | | | |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 1530 | mg/kg |
|-----|-----|------|------|-------|

Relevant hazards for product:

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

11. 2. SYMPTOMS / ROUTES OF EXPOSURE

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited.

There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat.

Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Ecotoxicity values: No data available.

12. 2. PERSISTENCE AND DEGRADABILITY

Biodegradable.

12. 3. BIOACCUMULATIVE POTENTIAL

No bioaccumulation potential.

12. 4. MOBILITY IN SOIL

Mobility: Readily absorbed into soil.

12. 5. RESULTS OF PBT AND VPvB ASSESSMENT

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

12. 6. OTHER ADVERSE EFFECTS

Negligible ecotoxicity.

SECTION 13: Disposal considerations

13. 1. WASTE TREATMENT METHODS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

14. 1. UN NUMBER

UN3264

14. 2. UN PROPER SHIPPING NAME

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

14. 3. TRANSPORT HAZARD CLASS(ES)

8

14. 4. PACKING GROUP

III

14. 5. ENVIRONMENTAL HAZARDS

No

14. 6. SPECIAL PRECAUTIONS FOR USER

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

SECTION 15: Regulatory information

15. 1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Specific regulations: Not applicable.

15. 2. CHEMICAL SAFETY ASSESSMENT

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its

amendment Regulation(EU) 2015/830

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

Phrases used in s.2 and s.3: H314: Causes severe skin burns and eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.