



SAFEFIX™ ECOLOGICAL FIXATIVE SAFETY DATA SHEET

This Safety Datasheet complies with the requirements of Regulation (EC) No 1907/2006 – 453/2010

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

1.1 Product Identifier: SafEFix™ Ecological Fixative

902500

1.2 Relevant identified uses of the substance or mixture and uses advised against: laboratory chemical (in vitro diagnostic)

1.3 Details of the supplier:

Apacor Limited, Unit 5 Sapphire Centre, Fishponds Road, Wokingham, Berkshire, RG41 2QL, United Kingdom; +44 (0) 118 979 5566; technical@apacor.com

1.4 Emergency Contact Number:

+44 (0)118 979 5566
(Monday-Friday 0900-1700 excluding UK Public Holidays)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Skin Sens. 1 H317

This mixture does not present a physical or chemical hazard.

See Section 16 for the full text of H-Statements mentioned in this Section.

2.2 Label elements

In compliance with EC regulation 1272/2008 and its amendments.



Pictogram:

Signal word: Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.

Precautionary statement(s)

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

P302+P352 IF ON SKIN: Wash with plenty of water.

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.

See Section 16 for the full text of H-Statements mentioned in this Section.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component: **1-(cis-3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride**

CAS No: 51229-78-8

Index No: 612-251-00-9

Classification: Flam. Sol. 2 (H228), Acute Tox. 4 (H302), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Repr. 2 (H361d), Aquatic Chronic 2 (H411)

Concentration: ≤ 1%

See Section 16 for the full text of H-Statements mentioned in this Section.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: not applicable.

In case of skin contact: Remove contaminated clothing and wash the skin thoroughly with soap and water.

In case of eye contact: Wash thoroughly with water for 15 minutes holding the eyelids open.

If swallowed: Rinse mouth with water. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable methods of extinction: foam, water. Do not use water jet.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment, gloves and protective eye glasses.

6.2 Environmental precautions

Contain and control leaks or spills with non-combustible absorbent materials, such as sand etc.

6.3 Methods and material for containment and cleaning up

Clean with water, detergent.

6.4 Reference to other sections

For disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in Polypropylene, Polyethylene or glass containers in dry, ventilated place at > 5°C.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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8.2.2 Personal protective equipment

(a) **Eye/face protection:** Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

(b) **Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

(c) **Body Protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

(d) **Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3 Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- a) Appearance** Form: liquid (aqueous solution)
Colour: light yellow
- b) Odour** no data available
- c) Odour threshold** no data available
- d) pH** 3.5-4.5
- e) Melting point / freezing point** Freezing point: < 4°C (aqueous solution)
- f) Initial boiling point and boiling range** Boiling point: 100°C (aqueous solution)
- g) Flash point** no data available
- h) Evaporation rate** no data available
- i) Flammability (solid, gas)** no data available
- j) Upper/lower flammability or explosive limits**
no data available
- k) Vapour pressure** no data available
- l) Vapour density** no data available
- m) Relative density** no data available
- n) Solubility (ies)** no data available
- o) Partition coefficient: n-octanol/water** no data available
- p) Auto-ignition temperature** no data available

q) Decomposition temperature no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidising properties no data available

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended handling and storage conditions in Section 7.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

Other decomposition products – no data available.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information of toxicological effects**

Acute toxicity: no data available

Skin corrosion/irritation: May cause an allergic reaction by skin contact.

Serious eye damage/eye irritation: May cause mild irritation to eyes (rabbit, tests with similar product).

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available for the mixture.

12.2 Persistence and degradability

No data available for the mixture.

12.3 Bioaccumulative potential

No data available for the mixture.

12.4 Mobility in soil

No data available for the mixture.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

No data available for the mixture.



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12.7 Additional information

No data available for the mixture.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and its container must be determined in accordance with directive 2008/98/EC.

13.1 Waste treatment methods

13.1.1 Product/packaging disposal

Do not pour into drains or waterways. Recycle or dispose of waste in compliance with current, local legislation, preferably via a certified disposal company.

SECTION 14: TRANSPORT INFORMATION

IATA/DOT/IMDG/TDG: Not regulated.

14.1 UN number: -

14.2 UN proper shipping name: -

14.3 Transport hazard class(es): -

14.4 Packing group: -

14.5 Environmental hazards: -

14.6 Special precautions for user: -

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or restrictions on use: Consult the supplier.

15.1.2 National regulations

15.2 Chemical Safety Assessment: A chemical safety assessment was not carried out for this mixture.

SECTION 16: OTHER INFORMATION

The information in this datasheet is based on our current level of knowledge and on national and international regulations. The mixture must not be used for other purposes than those specified in Section 1. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Full text of H and P Statements referred to in Sections 2 and 3:

H228 Flammable solid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H411 Toxic to aquatic life with long lasting effects.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

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.

Amended sections are indicated by a line in the border.

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. Apacor shall not be held liable for any damages resulting from handling or from contact with the above product, since the user's working conditions are not known by Apacor.