

SAFETY DATA SHEET

Pieri Top

Version: 5

Review date: 11/01/2005

91/155/EC (3 ATP) - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Pieri Top
 Uses or/and applications: Pulverisable retarder for fresh concrete (100% aqueous)
 Product code nr: Pieri Top
 Supplier: Pieri
 Maisonneuve
 F-71580 Saillenard
 France
 Phone: +33 (3) 85 76 45 00
 Fax: +33 (3) 85 76 10 84
 Emergency phone number (to be used by the practising doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131
 B - Centre Antipoisons Tél: 070 / 245.245

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation name: Pieri Top
 Component(s) contributing to the hazard:

- Aliphatic acid
 Conc. wt.(%): 1 < C <= 5 - Symbol(s): Xi - R: 36
- Anionic Surfactant
 Conc. wt.(%): 1 < C <= 5 - Symbol(s): Xi - R: 38-41

3. HAZARDS IDENTIFICATION

Most important hazards: Harmful
 Specific hazards: mild skin irritation, mild eye irritation

4. FIRST AID MEASURES

General advice: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
 Inhalation: Fresh air, rest.
 Skin contact: Wash skin with plenty of water.
 Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
 Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide (CO2), powder.
 Extinguishing media which must NOT be used for safety reasons: None.
 Specific method(s): Cool closed containers exposed to fire with water spray.
 Do not allow run-off from fire fighting to enter drains or water courses.
 Specific fire hazard(s): Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
 Special protective equipment for fire-fighters: Use a self-contained breathing apparatus and also a protective suit..

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): Evacuate personnel to a safe area.
 Environmental precaution(s): Dike and contain spill.
 Method(s) for cleaning up: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
 Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. HANDLING AND STORAGE

Handling
 - Precaution(s): Material handling require no special precaution measures.

SAFETY DATA SHEET

Pieri Top

Version: 5

Review date: 11/01/2005

91/155/EC (3 ATP) - ISO 11014-1

- Technical condition(s): No special technical protective measures required.
- Safe handling advice(s): Opened containers must be carefully closed and kept upright to avoid leakage.

Storage

- Precaution(s): Observe the label precautions.
- Technical condition(s): Not flammable and waterproof underground retention basin.
- Storage condition(s): Containers which are opened should be properly resealed and kept upright to prevent leakage.
- Packaging / tank material: Plastic packaging are recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Control parameter(s):

- Exposure limit(s): Not applicable.

Personal protection equipment:

- Respiratory protection: No personal breathing protective equipment is normally required.
- Hand protection: nitrile rubber gloves
- Skin and body protection: long sleeved protective clothing
- Eye protection: Eye protection designed to protect against liquid splashes should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Physical state / form: liquid
- Colour: According to type :
- Odour: none

Important health, safety and environmental information

- pH: 2.1
- Boiling point/range: 100°C
- Melting point/range: 0°C
- Flash point: Not determined.
- Decomposition temperature: > 200°C
- Explosion limits: Not applicable.
- Relative density (water = 1): 1,06 - 1,11
- Viscosity: Not determined.
- Water solubility: completely miscible
- Fat solubility: Not determined.
- Solvent solubility: immiscible

10. STABILITY AND REACTIVITY

Stability: Stable under the recommended storage and handling conditions. (See Section 7).

Hazardous decomposition products: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, NxOy.

11. TOXICOLOGICAL INFORMATION

General information(s): Health injuries are not known or expected under normal use.

Acute toxicity

- Inhalation: No data available.
- Skin contact: Prolonged or repeated contact with the skin or mucous membrane may result in irritant symptoms such as redness, blistering or dermatitis. Onset of symptoms may be delayed.

SAFETY DATA SHEET

Pieri Top

Version: 5

Review date: 11/01/2005

91/155/EC (3 ATP) - ISO 11014-1

- Eyes contact: Splashes in the eyes may cause irritation and reversible local damage.
- Ingestion: No data available.

12. ECOLOGICAL INFORMATION

- General information(s): There is no data available on the product itself.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
- Environmental toxicity: No information available about this product.
- Other adverse effects

13. DISPOSAL CONSIDERATIONS

- Waste / unused products: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
- Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
- Further Information(s):

14. TRANSPORT INFORMATION

- General information(s): Not classified as dangerous in the meaning of transport regulations.
- UN N°: Not applicable.

15. REGULATORY INFORMATION

- EEC number: Not applicable.
- Symbol(s): Xi - Irritant
- R-phrases(s): 36 Irritating to eyes.
- S-phrases(s): 25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

- Important remarks: As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The user is always responsible for ensuring that the requirements of relevant legislation are complied with.
The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.
- Uses or/and applications: Pulverisable retarder for fresh concrete (100% aqueous)
- Restrictions: The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.
- First edition date: 14/04/1999
- Previous revision date: 02/11/2001
- Review date: 11/01/2005
- Version: 5
- Review chapter(s) n°: 2-14-15