

SAVETY DATA SHEET

PRODUCT NAME: SILVANET

PRODUCT CODE: TS 028

LRD Date: 29 October 2001 Revision: 09 October 2008

1 - IDENTIFICATION OF THE SUBSTANCE

- 1.1 Commercial description: **SILVANET**
- 1.2 Supplier:
Name / Company name: **Silvadec**
Parc d'activité de l'Estuaire
56190 Arzal
- Telephone number: +33 (0) 2 97 45 09 00
Fax number: +33 (0) 2 97 45 09 89
info@silvadec.com

2 - IDENTIFICATION OF THE DANGERS

- 2.1 Main dangers: Flammable product, risk of corrosive effects.
Risk of harmful effects with symptoms of mild intoxication through contact with the skin and by ingestion.

3 - COMPOSITION/INFORMATION SUR LES COMPOSANTS

- 3.1 Chemical nature: Acid aqueous preparation
- 3.2 Components that contribute to the dangers:
- Name of the components: PHOSPHORIC ACID in solution
EEC N° 015-011-00-6
CAS N° 7664-38-2
Concentration..... < 50 %
Symbol C
R-phrase..... R 34
- Name of the components: OXALIC ACID in solution
EEC N° 607-006-00-8
CAS N°
Concentration..... < 10 %
Symbol Xn
R-phrase R 21/22

4 - FIRST AID

- 4.1 General instructions: Act very quickly; in case of doubt, contact a doctor.
Never make the patient drink anything or induce vomiting if s/he is unconscious or is having convulsions.
- 4.2 In case of contact with the skin: Immediately remove any contaminated clothing and do not reuse until after it has been washed. Do not use solvents or thinners. Wash the skin with a lot of water and soap for 15 minutes. If the area of contamination is extensive and/or if skin lesions appear, consult a doctor.
- 4.3 In case of contact with the eyes: Immediately wash the eyes with generous amounts of water for at least 15 minutes, taking care to retract the eyelids as far as possible. Consult an ophthalmologist.
- 4.4 In case of ingestion: Do not induce vomiting; consult a doctor and present this sheet.
If the quantity is very small (not more than a mouthful), rinse the mouth out with water, administer medical activated charcoal and consult a doctor.

5 - FIRE FIGHTING MEASURES

- 5.1 *Extinguishing methods:* Flammable product. In the event of fire, cool the containers exposed to the fire by spraying them with water. Use foam, carbon oxide, dry chemical powder, water.
- 5.2 *Protection of operators:* Due to the toxicity of the gasses released during the thermal decomposition of the products, the operators should wear autonomous isolating respiratory equipment.

6 - MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL DISPERSAL

- 6.1 *Individual precautions:* Avoid contact with the skin and with the eyes.
Precaution for the protection of the environment: Avoid any contamination of the ground and water. Avoid any run-off or infiltration into drains, canals and rivers by using sand, earth, vermiculite or other suitable barriers. Collect waste in vats in view of disposing of it according to current regulations.
- 6.2 *Cleaning method:* Neutralise with a basic decontaminant, such as an aqueous solution of sodium carbonate or other. Give preference to using a detergent and avoid the use of solvents. In case of contamination of the floor, and after recovery of the product using an inert and non-flammable absorber, wash the floor with generous amounts of water. If the spillage is significant, call a specialist team.

7 - HANDLING AND STORAGE

- 7.1 *Preventions of fires:* Prevent entry by unauthorised persons.
- 7.2 *Recommended equipment and procedures:* For personal protection, see section 8. Follow the precautions indicated on the label, as well as the regulations of work protection. It is imperative to avoid contact with the skin and with the eyes. Provide safety showers and ocular fountains (eye baths) in the workshops.
- 7.3 *Forbidden equipment and procedures:* It is forbidden to smoke or eat in the areas where the product is used. Never open packages using pressure.
- 7.4 *Storage:* Keep the container closed and in a dry and well-ventilated area. Keep away from food and drinks, including animal feed.

8 - EXPOSURE MANAGEMENT/PERSONAL PROTECTION

Personal protection: Gloves, safety glasses, protective clothing, boots and apron.

9 - PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 *Appearance:*Liquid
- 9.2 *Physical state:*..... Fluid
- 9.3 *Colour:*..... Transparent
- 9.4 *Odour:*..... Amine
- 9.5 *pH value:* not applicable
- 9.6 *Density:*..... 1.180 □ 0.5
- 9.7 *Acid-Base nature:*..... Strong acid
- 9.8 *Flashpoint:*..... Non-combustible
- 9.9 *Auto-inflammation point:*..... not applicable
- 9.10 *Temperature of decomposition:*..... not applicable
- 9.11 *Average solvent distillation temperature:* 110 °C
- 9.12 *Vapour pressure at 50 °C:* below 110 Kpa (1.10 Bar)
- 9.13 *Solubility:*..... water soluble

10 - STABILITY AND REACTIVITY

- 10.1 *Stability:* Completely stable under the handling and storage conditions recommended in section 7
- 10.2 *Substances to avoid:* Violent reaction with alkaline mixtures, bases and strong oxidant agents.
- 10.3 *Hazardous decomposition substances:* At high temperatures, releases toxic gasses; carbon monoxide, formic acid, phosphorous oxide, chlorine and hydrogen.

11 - TOXICOLOGICAL INFORMATION

No data

12 - ECOLOGICAL INFORMATION

Aquatic toxicity: Preparation toxic to aquatic life. The preparation may not be discharged in an uncontrolled manner as it could be harmful to fish.

13 - WASTE REMOVAL

Do not discharge into drains or waterways.

- 13.1 *Removal of the product:* Comply with current legislation in terms of waste, use a specialist company for treatment
- 13.2 *Removal of packing:* Empty the container.
Keep the labels on the container. Send to an authorised waste disposal company.

14 - INFORMATION RELATING TO TRANSPORT

- 14.1 International regulations: UN No.: 3265
- 14.2 RTMDR/ADR/RID(Road/Rail): Category 8 – 40° c – Label 8
- 14.3 IMDG (Sea): Category 8 – Group III – Identif. 8-15 - N°GSMU 760
- 14.4 I.A.T.A. (Air): Category 8 – Group III – Identif. 818 - Cargo 820

15 - REGULATORY INFORMATION

- 15.1 *Community regulations:* As per the decree dated 21 February 1990, amended, relating to the labelling of hazardous preparations (DIR 88/379 CEE).
- *E.E.C. Classification:* 015-011-00-6 PHOSPHORIC ACID
607-006-00-8 OXALIC ACID
- *Danger symbol:* C: Corrosive
- *Risk phrases:* R 34: Causes burns.
R 21/22: Harmful in contact with the skin and by ingestion.
- Safety advice:* S 26: In case of contact with the eyes, wash with water and consult a specialist
S 36/37/39 Wear suitable protective clothing, gloves and a eye and face protective device
S 45: In the event of accident or illness, consult a doctor without delay.
Present the label.

16 - OTHER INFORMATION

This safety data sheet was compiled in accordance with the directive CE 1907/2006.

Application of the product (use): Pickling acid

Comment:

This sheet completes the technical instructions for use but does not replace them. The information it contains is based on our knowledge relating to the product in question on the date indicated on page 1. They are given in good faith. The attention of the users is drawn to the possible risks encountered when using this product for purposes other than those for which it was developed.

It does not exempt the user from knowing and applying all the texts regulating to his activity. The user is solely responsible for taking the precautions relating to the use of the product.