

SAFETY DATA SHEET
In conformity with Regulation (EC) 1907/2006 annex II

Trade name: SpiroPlus Mild Cleaner
Revision dated: 07-10-2011

Version: 2

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name:	SpiroPlus Mild Cleaner
Application:	Agent for removing dirt from water-carrying systems.
Manufacturer:	Spirotech B.V. - Churchillaan 52 - 5705 BK Helmond, The Netherlands tel. +31 (0)492 - 57 89 89 during office hours 08:00 - 17:00 h
E-mail:	kam@spirotech.nl

Telephone number emergencies	In case of an emergency, please contact the National Poisons Information Service (in the Netherlands: Nationaal Vergiftigingen Informatiecentrum, phone: +31 (0)30-2748888 (only to be approached in case of emergencies, to the physician in attendance in case of suspected poisoning).
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2. IDENTIFICATION OF THE RISKS

Physical and chemical risks	The product is non-flammable. The product is alkaline and reacts with acids.
Health risks	Contact with skin and eyes may cause minor irritation.
Environmental risks	According to the present knowledge about this product, no harmful effects are to be expected.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

This product is a preparation. Its main components are Diethylenetriamine penta(methylene phosphonic acid) and sodium salts.
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4. MEASURES FOR FIRST AID

General	Ask for medical advice in all cases of doubt or in case of persistent symptoms. If the victim is unconscious, do not give him something to drink and do not arouse vomiting.
Inhale	Bring into fresh air in a sitting position. Loosen clothing.
Skin contact	Thoroughly rinse with running water.
Contact with the eyes	Rinse the eyes with ample water. Remove contact lenses after having rinsed for some time. Consult a physician in case of persistent irritation.
Swallow	Rinse the mouth with water. Do not induce vomiting. Consult a physician if the symptoms persevere.

5. FIRE-FIGHTING AGENTS

The product is non-flammable.	
Fire-extinguishing agents	All common extinguishing agents can be used.
Special measures	Avoid inhaling smoke in case of fire and/or explosion.
Harmful combustion products	Nitrous gases may develop.
Protection for fire fighters	Wear respiratory protection using mobile compressed air (type: overpressure) and protective fire clothing, including helmet, boots and gloves.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE OF THE SUBSTANCE OR THE PREPARATION

Personal precautions	See section 8 for personal protection.
Environmental precautions	Collect spilled product in a container for removal; also see section 13.
Cleaning methods	Immediately remove spilled product and put in into fluid-tight packaging material. Wash away the residues with ample water.

7. HANDLING AND STORAGE

Handling	The normal precautions for the handling of chemical substances must be observed. Avoid contact with skin and eyes. Avoid development of vapours.
Prevention of fire and explosion	No specific recommendations.
Storage requirements	Keep in properly closed plastic packaging in a ventilated room. Keep separated from strong acids.

8. MEASURES FOR CONTROL OF EXPOSURE/ PERSONAL PROTECTION

Technical control measures	Prevent development of vapours.
Respiration	Use respiratory protection equipment (P2SL or P3SL) in situations in which vapour development is unavoidable.
Hand/skin	Wear impenetrable gloves (latex and rubber gloves suffice).
Eyes and face	Wear safety goggles or acid goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Light brown
Odour	odourless
Boiling point/range	100 - 360 °C
Solidification point	0
Specific density	1.1 - 1.2 (20 °C)
Vapour pressure	Similar to water
Rel. vapour density (air = 1)	Similar to water
pH	Approx. 8,0
Solubility in water	Fully miscible
Viscosity	1 mPa.sec. (20°C)
Flash point	None
Spontaneous ignition temperature	Not determined
Explosion limits	N/A
Decomposition temperature	> 200°C

10. STABILITY AND REACTIVITY

Stability	Chemical stability: stable under normal handling and storage conditions.
Material applications	Steel, brass, copper, plastic, hemp, liquid gasket
Substances to be avoided	Strong acids
Hazardous decomposition products	Nitrous gases may develop.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Rat: >2000 mg/kg.
Short-term effects: Peau	May cause minor irritation of the skin.
Short-term effects: Avalement	May cause irritation of mouth/throat and gastrointestinal tract.
Short-term effects: Yeux	May cause irritation of the eyes.
Long-term effects	No long-term effects are known.

12. ECOLOGICAL INFORMATION

Mobility	The product is completely soluble in water.
Composition	No substances harmful to the environment are present.
WGK	(Pays Bas) : 11
Sanitation efforts	(Pays Bas) : B

13. INSTRUCTIONS FOR DISPOSAL

Product disposal	Destroy the product in accordance with the national and local legal stipulations.
Waste disposal	The producer of the waste must evaluate his process himself and assign the appropriate waste code.

14. INFORMATION WITH RESPECT TO TRANSPORT

The product has not been classified for any type of transport.*

15/ LEGALLY MANDATORY INFORMATION

This product does not need classification according to the EU criteria ('Dangerous Substances Directive' 67/548 EEC and 'Dangerous Preparation Directive' 1999/45/EC).*

16. OTHER INFORMATION

This version replaces version 1:

- * adjustment to format in conformity with EC 1907/2006.
- * Re-evaluation has led to the conclusion that the product does not need classification.
La classification de transport est donc caduque.
Sections 14 and 15 have been adjusted accordingly.

This safety data sheet has been drawn up in conformity with Annex II of the REACH directive (EC) 1907/2006. Classification has been calculated in accordance with the European Directive 67/548/EEC and 1999/45/EC with their respective amendments. This safety data sheet has been drawn up with the utmost care. However, we cannot accept any liability for damage of any nature resulting from the use of this data or of the product concerned. The user is responsible for taking the measures required for compliance with local law and regulations. The information only concerns the product mentioned and does not guarantee the quality and the completeness of the properties of the product nor if the product is used in combination with other products or in any other process. Prior to using this preparation for an experiment or a new application, the user should perform a material suitability and safety test him/herself.

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