


# MATERIAL SAFETY DATA SHEET

<b>SPA CLARITY 1</b>	Revision date: 07/06/2007 Replaces: 30/03/2004
	<b>RESPONSIBLE COMPANY:</b> Spa-Plus B.V. Burg. Magneestraat 55 5771 HC Bergeijk Phone:+31(0)497/55 55 62 Fax:+31(0)84/741 02 54 Emergency phone: +32 (0)70-245245 Emergency phone worldwide: Netherlands: +31(0)30-2748888 E-mail:info@spa-plus.eu Website:www.spa-plus.eu

## 1. IDENTIFICATION OF THE PRODUCT:

Identification : liquid compound  
Kind of product : special additive  
Concentration in use : 0,1 - 1 % in water

## 2. HAZARDS IDENTIFICATION:

This is a harmless preparation. Normally no risks are to be expected, minor discomfort may occur.

## 3. COMPOSITION AND INFORMATION ON DANGEROUS COMPONENTS:

Dangerous components	%	Symbol	R-Phrases	CAS N°	EINECS N°
Aluminum chloride hydroxide sulfate	2,5 - 10	Xi	36	39290-78-3	254-400-7

## 4. FIRST AID MEASURES:

Always ask medical advice as soon as possible should serious or continuous disturbances occur

Skin contact : rinse first with plenty of water, if necessary seek medical attention

Eye contact : rinse first with plenty of water, if necessary seek medical attention

Ingestion : rinse mouth with water and and seek medical attention

Inhalation : in case of serious or continous discomforts: remove to fresh air and seek medical attention

## 5. FIRE FIGHTING MEASURES :

Fire extinguishing agents : non flammable

Extinguishing agents to be avoided : none

Special preventive measures in case of fire : none

## 6. ACCIDENTAL RELEASE MEASURES:

Preventive measures : keep in a sealed container, out of reach of children

Personal safety measures : no eating, drinking or smoking during work

Environmental measures : do not allow to flow into sewers or open water

Measures in case of leakage : dilute with water

## 7. HANDLING AND STORAGE:

Special preventive measures in handling and storing : keep in a sealed container in a closed, frost-free, ventilated room

Packing materials to be avoided : metals

Preventive measures : handle with care to avoid spillage

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Inhalation protection : none

Skin protection : none

Eye protection : none

Other protection : none

Follows a list of the hazardous elements mentioned

sub 3. of which the TLV value is known :

- /

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Melting point/melting range, °C	: 0
Boiling point/Boiling range, °C	: 100
pH	: 4,2
pH 1% diluted in water	: /
Vapour pressure/20°C, Pa	: 2332
Relative density/20°C	: 1,016
Physical state/20°C	: liquid
Flash point, °C	: /
Ignition point, °C	: /
Solubility in water	: completely soluble
Odour	: odourless
Dynamic viscosity, mPa.s/20°C	: 1
Kinematic viscosity, mm²/s/20°C	: 1
Volatile organic component (VOC), %	: 0
Volatile organic component (VOC), g/l	: 0

## 10. STABILITY AND REACTIVITY:

Dangerous reactions with : none known  
Circumstances to be avoided : none known

## 11. TOXICOLOGICAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Calculated acute toxicity, LD50 Oral Rat: 4348 mg/kg

## 12. ENVIRONMENTAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Biological degradability : The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
Water hazard class, WGK: 1

## 13. DISPOSAL CONSIDERATIONS:

The product may be discharged in the indicated percentages of utilization, provided it is neutralised to pH 7.  
Possible restrictive regulations by local authority should always be adhered to.

## 14. TRANSPORT INFORMATION:

Class & number	:	, /
Identification number of the hazard	:	/
Identification number of the substance	:	ADR not applicable, /, /
Labels	:	/

## 15. REGULATORY INFORMATION:

### Labels:

None

### Risk phrases

/ none

### Safety phrases

/

/ none

### Contains

/

## 16. OTHER INFORMATION:

R-Phrases, mentioned in point 3, not of application on the preparation.

**Risks connected to the preparation and its hazardous components :** R36 Irritating to eyes.


**Reason of revision, changes of following items:** 9, 16

**Composition by regulation (EC) No 648/2004:** /

*This safety information sheet has been compiled in accordance with annex II of the REACH-directive EG 1907/2006. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care, we cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. It is the responsibility of the user to take the necessary measures in order to comply with the local laws and regulations. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*

**MSDS reference number :** ECM-4578,1-E

# MATERIAL SAFETY DATA SHEET

<b>SPA CLARITY 2</b>	Revision date: 07/06/2007 Replaces: 14/07/2006
	<b>RESPONSIBLE COMPANY:</b> Spa-Plus B.V. Burg. Magneestraat 55 5771 HC Bergeijk Phone:+31(0)497/55 55 62 Fax:+31(0)84/741 02 54 Emergency phone: +32 (0)70-245245 Emergency phone worldwide: Netherlands: +31(0)30-2748888 E-mail:info@spa-plus.eu Website:www.spa-plus.eu

## 1. IDENTIFICATION OF THE PRODUCT:

Identification : liquid compound  
Kind of product : special additive  
Concentration in use : 100 %

## 2. HAZARDS IDENTIFICATION:

This is a harmless preparation. Normally no risks are to be expected, minor discomfort may occur.

## 3. COMPOSITION AND INFORMATION ON DANGEROUS COMPONENTS:

Dangerous components	%	Symbol	R-Phrases	CAS N°	EINECS N°
potassium carbonate	2,5 - 10	Xn	22-36/37/38	584-08-7	209-529-3

## 4. FIRST AID MEASURES:

Always ask medical advice as soon as possible should serious or continuous disturbances occur

Skin contact : rinse with water

Eye contact : rinse first with plenty of water, if necessary seek medical attention

Ingestion : rinse first with plenty of water, if necessary seek medical attention

Inhalation : in case of serious or continuous discomforts: remove to fresh air and seek medical attention

## 5. FIRE FIGHTING MEASURES :

Fire extinguishing agents : none

Extinguishing agents to be avoided : none

Special preventive measures in case of fire : none

## 6. ACCIDENTAL RELEASE MEASURES:

Preventive measures : keep in a sealed container, out of reach of children

Personal safety measures : no eating, drinking or smoking during work

Environmental measures : none

Measures in case of leakage : dilute with water

## 7. HANDLING AND STORAGE:

Special preventive measures in handling and storing : keep in a sealed container in a closed, frost-free, ventilated room

Packing materials to be avoided : none

Preventive measures : handle with care to avoid spillage

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Inhalation protection : none

Skin protection : none

Eye protection : none

Other protection : none

Follows a list of the hazardous elements mentioned  
sub 3. of which the TLV value is known :

- /

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Melting point/melting range, °C	:	0
Boiling point/Boiling range, °C	:	100
pH	:	11,3
pH 1% diluted in water	:	/
Vapour pressure/20°C, Pa	:	2332
Relative density/20°C	:	1,040
Physical state/20°C	:	liquid
Flash point, °C	:	/
Ignition point, °C	:	/
Solubility in water	:	completely soluble
Odour	:	characteristic
Dynamic viscosity, mPa.s/20°C	:	1
Kinematic viscosity, mm²/s/20°C	:	1
Volatile organic component (VOC), %	:	0
Volatile organic component (VOC), g/l	:	0

## 10. STABILITY AND REACTIVITY:

Dangerous reactions with : none known  
Circumstances to be avoided : none known

## 11. TOXICOLOGICAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Calculated acute toxicity, LD50 Oral Rat: 4476 mg/kg

## 12. ENVIRONMENTAL INFORMATION:

About the substance itself : not applicable under actual EEC guidelines for preparations  
General information : see ingredients under section 3  
Biological degradability : The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
Water hazard class, WGK: 1

## 13. DISPOSAL CONSIDERATIONS:

The product may be discharged in the indicated percentages of utilization, provided it is neutralised to pH 7.  
Possible restrictive regulations by local authority should always be adhered to.

## 14. TRANSPORT INFORMATION:

Class & number	:	, /
Identification number of the hazard	:	/
Identification number of the substance	:	ADR not applicable, /, /
Labels	:	/

## 15. REGULATORY INFORMATION:

### Labels:

None

### Risk phrases

/ none

### Safety phrases

/  
/ none

### Contains

/

## 16. OTHER INFORMATION:

R-Phrases, mentioned in point 3, not of application on the preparation.

**Risks connected to the preparation and its hazardous components :** R22 Harmful if swallowed. R36 Irritating to eyes. R37 Irritating to respiratory system. R38 Irritating to skin.

**Reason of revision, changes of following items:** 9, 16

**Composition by regulation (EC) No 648/2004:** /

*This safety information sheet has been compiled in accordance with annex II of the REACH-directive EG 1907/2006. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care, we cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. It is the responsibility of the user to take the necessary measures in order to comply with the local laws and regulations. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*

**MSDS reference number :** ECM-5214,2-E