

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- : Cleaning agent for metal surfaces.
stance/Mixture

Recommended restrictions : None known.
on use

1.3 Details of the supplier of the safety data sheet

Company : Wintersteiger AG
A-4910 Ried im Innkreis, Dimmelstraße 9
Tel. +43 (0) 7752 919-0, Fax: +43 (0) 7752 919-52
E-Mail: sports@wintersteiger.at

1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:
+49 (0) 361 730 730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2

H315: Causes skin irritation.

Serious eye damage, Category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

First Class
WINTERSTEIGER
Ski & Board Tuning

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H315
H318

Causes skin irritation.
Causes serious eye damage.

Precautionary statements :

Prevention:

P260
P262
P280

Do not breathe vapours, aerosols.
Do not get in eyes, on skin, or on clothing.
Wear protective gloves/ protective clothing/
eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take
off immediately all contaminated clothing.
Rinse skin with water/ shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with wa-
ter for several minutes. Remove contact
lenses, if present and easy to do. Continue
rinsing.
P308
P310 IF exposed or concerned:
Immediately call a POISON
CENTER/doctor.

Disposal:

P501

Dispose of contents/ container to an ap-
proved waste disposal plant.

Hazardous components which must be listed on the label:

- 254106-35-9 Poly(oxy-1,2-ethanediyl), .alpha.-decyl-.omega.-(phenylmethoxy)-

**Detergents Regulation EC
907/2006**

: Phosphates 15 % or over but less than 30 %

Non-ionic surfactants less than 5 %

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical nature : Aqueous solution of alkali salts and non-ionic surfactant.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Tetrapotassium pyrophosphate	7320-34-5 230-785-7 01-2119489369-18	Eye Irrit. 2; H319	>= 3 - < 10
Potassium octanoate	764-71-6 212-130-7	Eye Irrit. 2; H319 Skin Irrit. 2; H315	>= 5 - < 10
Potassium carbonate	584-08-7 209-529-3 01-2119532646-36	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315	>= 5 - < 10
Poly(oxy-1,2-ethanediyl), .alpha.-decyl-.omega.- (phenylmethoxy)-	254106-35-9	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1 - < 2.5
Nopol ethoxylated propoxylated	174955-61-4	Eye Dam. 1; H318 Acute Tox. 4; H302	>= 1 - < 2.5

For the full text of the H-Statements mentioned in this Section, see Section 16.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off contaminated clothing and shoes immediately.
Move out of dangerous area.
First Aid responders should pay attention to self-protection
and use the recommended protective clothing
- If inhaled : If symptoms persist, call a physician.
Move to fresh air.
- In case of skin contact : Wash off immediately with plenty of water.
Consult a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.
- If swallowed : Rinse mouth with water.
Immediately give large quantities of water to drink.
Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes skin irritation.
Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.
Carbon oxides
Oxides of phosphorus
Sodium oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
Do not allow uncontrolled discharge of product into the environment.
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation.
Sweep up and shovel into suitable containers for disposal.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For further information see Section 8 of the safety data sheet. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Avoid contact with skin and eyes.
Ensure that eye flushing systems and safety showers are

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

located close to the working place.

To avoid risks to man and the environment, comply with the instructions for use.

Advice on protection against fire and explosion : The product itself does not burn.
Normal measures for preventive fire protection.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a place accessible by authorized persons only.
Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.

Further information on storage conditions : Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc).

Storage temperature : -7 - 70 °C

7.3 Specific end use(s)

Specific use(s) : Cleaning agent for metal surfaces.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL/DMEL

Tetrapotassium pyrophosphate : End Use: Workers DNEL
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 2.79 mg/m³

Potassium carbonate : End Use: Workers DNEL
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 10 mg/m³

End Use: Workers DNEL
Exposure routes: Skin contact

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Potential health effects: Long-term local effects
Value: 16 mg/cm²

PNEC

Tetrapotassium pyrophosphate : Fresh water
Value: 0.05 mg/l

Marine water
Value: 0.005 mg/l

Sewage treatment plant
Value: 50 mg/l

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter type:
Type B

Hand protection : butyl-rubber
Protective gloves complying with EN 374.
The exact break through time can be obtained from the protective glove producer and this has to be observed.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Tightly fitting safety goggles
Eye protection (EN 166)

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

Hygiene measures : Take off contaminated clothing and shoes immediately.
Do not breathe vapours, aerosols.
Avoid contact with the skin and the eyes.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and immediately after handling the product.

Protective measures : Handle in accordance with good industrial hygiene and safety practice.
Ensure that eye flushing systems and safety showers are located close to the working place.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
Do not allow uncontrolled discharge of product into the environment.
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : clear liquid

Colour : colourless to yellow

Odour : not significant

Flash point : Not applicable

pH : 9.5
at
20 °C
(undiluted)

9.3 - 10.3
at 10 g/l

20 °C

Solidification temperature/range : < -7 °C

Boiling point/boiling range : No data available

Vapour pressure : No data available

Density : 1.26 g/cm³
at 20 °C
Method: DIN 51757

Water solubility : completely miscible

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Flow time : 14 sec.
at 23 °C
4 mm
Method: ISO 2431

9.2 Other information

Explosivity : no explosion risk

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid : Acids

10.6 Hazardous decomposition products

Risk of decomposition. : No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Acute oral toxicity

Tetrapotassium pyrophosphate : LD50: 2,440 mg/kg
Species: Rat

Potassium carbonate : LD50: > 2,000 mg/kg
Species: Rat

Poly(oxy-1,2-ethanediyl),
.alpha.-decyl-.omega.-
(phenylmethoxy)- : LD50: 200 - 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 423

Acute inhalation toxicity

Potassium carbonate : LC50: > 4.96 mg/l
Exposure time: 4.5 h

Acute dermal toxicity

Tetrapotassium pyrophosphate : LD50: > 2,000 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

Potassium carbonate : LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Causes skin irritation.

Serious eye damage/eye irritation

Eye irritation : Causes serious eye damage.

Respiratory or skin sensitisation

Sensitisation : No data available

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicology studies for the product are not available.

Toxicity to fish

Tetrapotassium pyrophosphate : semi-static test LC50: > 100 mg/l
Exposure time: 96 h

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

Species: *Oncorhynchus mykiss* (rainbow trout)
Method: OECD Test Guideline 203

Potassium carbonate : LC50: 68 mg/l
Exposure time: 96 h
Species: *Oncorhynchus mykiss* (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates

Tetrapotassium pyrophosphate : static test EC50: > 100 mg/l
Exposure time: 48 h
Species: *Daphnia magna* (Water flea)
Method: OECD Test Guideline 202

Potassium carbonate : EC50: 200 mg/l
Exposure time: 48 h
Species: *Daphnia pulex* (Water flea)

Poly(oxy-1,2-ethanediyl),
.alpha.-decyl-.omega.-
(phenylmethoxy)- : EC50: < 10 mg/l
Exposure time: 48 h
Species: *Daphnia* (water flea)
Method: OECD Test Guideline 202

Toxicity to algae

Tetrapotassium pyrophosphate : Growth inhibition > 100 mg/l
Exposure time: 72 h
Species: *Desmodesmus subspicatus*
Method: OECD Test Guideline 201

Toxicity to bacteria

Tetrapotassium pyrophosphate : EC50: > 1,000 mg/l
Exposure time: 3 h
Species: Bacteria

12.2 Persistence and degradability

Biodegradability : The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.907/2006 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biodegradability
Poly(oxy-1,2-ethanediyl), : > 60 %

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

First Class
WINTERSTEIGER
Ski & Board Tuning

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

.alpha.-decyl-.omega.-
(phenylmethoxy)-

Method: OECD Test Guideline 301B

Readily biodegradable

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Nopol ethoxylated propox-
ylated

: 64 %

Method: OECD Test Guideline 301B

Readily biodegradable

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Bioaccumulation

: Bioaccumulation is unlikely.

12.4 Mobility in soil

Mobility

: No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological infor-
mation

: slightly water endangering

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

: In accordance with local and national regulations.

Contaminated packaging

: Dispose of as unused product.

Waste Code

: Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

SECTION 14: Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Water contaminating class (Germany) : WGK 1 slightly water endangering
VWVWS A4

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical safety assessment

For a mixture it is not mandatory to include an exposure scenario in the material safety data sheet.
The necessary safety - related information is stated in the first 16 sections.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

First Class
WINTERSTEIGER
Ski & Board Tuning

System Cleaner Pro-Tec G 254, Art. Nr. 55-645-368

Version: 2.0

Revision Date 04.11.2016

Print Date 21.07.2017

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

| This data sheet contains changes from the previous version in section(s): 2