

Safety Data Sheet

acc. to OSHA HCS



Printing date 04/24/2018

Reviewed on 04/24/2018

1 Identification

- **Product identifier**
- **Trade name:** *Stagestep FloorShield Cleaner*
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Supplier:
Stagestep Inc.
4701 Bath St.
Philadelphia PA 19137
Tel: +1 215 636-9000
Fax: +1 267 672-2912
E-Mail: info@stagestep.com
- **Information department:**
Department for product development
E-Mail: bill@stagestep.com
- **Emergency telephone number:**
Stagestep Inc.
Tel.: +1 215-636-9000 x 117
+1 215 601-3696
Mo-Fr 8am - 7pm

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **NFPA ratings (scale 0 - 4)**

 Health = 0
Fire = 0
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

 Health = *0
Fire = 0
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

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Dangerous components:

102-71-6 | 2,2',2"-nitritotriethanol

≤0.1%

4 First-aid measures

Description of first aid measures
General information:

Immediately remove any clothing soiled by the product.

No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.

Information for doctor:
Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: Not applicable.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters
Protective equipment: No special measures required.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals
PAC-1:

577-11-7	docusate sodium	5.7 mg/m ³
102-71-6	2,2',2"-nitritotriethanol	15 mg/m ³
64-17-5	ethanol	1,800 ppm
5989-27-5	d-limonene	15 ppm
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	0.6 mg/m ³
111-30-8	glutaral	0.2 ppm

PAC-2:

577-11-7	docusate sodium	63 mg/m ³
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102-71-6	2,2',2''-nitrilotriethanol	240 mg/m ³
64-17-5	ethanol	3300* ppm
5989-27-5	d-limonene	67 ppm
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	6.6 mg/m ³
111-30-8	glutaral	1 ppm

PAC-3:

577-11-7	docusate sodium	380 mg/m ³
102-71-6	2,2',2''-nitrilotriethanol	1,500 mg/m ³
64-17-5	ethanol	15000* ppm
5989-27-5	d-limonene	170 ppm
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	40 mg/m ³
111-30-8	glutaral	5 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

102-71-6 2,2',2''-nitrilotriethanol	
TLV	Long-term value: 5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not required.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Light weight protective clothing

9 Physical and chemical properties· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Fluid
· Color:	Colorless
· Odor:	Fruit-like
· Odor threshold:	Not determined.

· **pH-value at 20°C (68°F):** 9,5· **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	100°C (212°F)

· **Flash point:** Not applicable.· **Flammability (solid, gaseous):** Not applicable.· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure at 20°C (68°F):** 23 hPa (17.3 mm Hg)· **Density at 20°C (68°F):** 1,003 g/cm³ (8.37 lbs/gal)· **Relative density** Not determined.· **Vapor density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with**· **Water:** Not miscible or difficult to mix.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· Dynamic:	Not determined.
· Kinematic at 20°C (68°F):	15 s (ISO 3 mm)

· **Solvent content:**

· Organic solvents:	0,1 %
· VOC content ASTM D3960:	0,11 %
	1.1 g/l / 0.01 lb/gl

· **Other information** No further relevant information available.**10 Stability and reactivity**

- **Reactivity** see section "Possibility of hazardous reactions".

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- **Chemical stability** No information available.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitrilotriethanol	3
64-17-5	ethanol	1
5989-27-5	d-limonene	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADR, ADN, IMDG, IATA · Class 	Void
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	Void
<ul style="list-style-type: none"> · Environmental hazards: 	Not applicable.
<ul style="list-style-type: none"> · Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · UN "Model Regulation": 	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

52-51-7 | bronopol (INN)

· **TSCA (Toxic Substances Control Act):**

	Akzo Berol 185 / C 10-16 EO/PO without further labeling
91844-53-0	Sorbitansesquioctanoat
68154-97-2	fatty alcohol, C10-12, ethoxylated, propoxylated
577-11-7	docusate sodium
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts
102-71-6	2,2',2"-nitrilotriethanol
64-17-5	ethanol
52-51-7	bronopol (INN)
5989-27-5	d-limonene
78-70-6	Linalool
106-24-1	Geraniol
106-22-9	Citronellol
5392-40-5	citral
470-82-6	1,8-epoxy-p-menthane
2705-87-5	Allyl cyclohexylpropionate
24720-09-0	trans-alpha-Damascone

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26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one
2682-20-4	2-methyl-2H-isothiazol-3-one
111-30-8	glutaral
7732-18-5	water, distilled, conductivity or of similar purity

- **TSCA new (21st Century Act) (Substances not listed)**
- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

64-17-5 | ethanol

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

64-17-5	ethanol	A3
111-30-8	glutaral	A4

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Department for product development

- **Contact:** Bill Goldberg

- **Date of preparation / last revision** 04/24/2018 / 3

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic vPvB:

very Persistent and very Bioaccumulative NIOSH:

National Institute for Occupational Safety OSHA:

Occupational Safety & Health

TLV: Threshold Limit Value

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REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit
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