

Safety Data Sheet

acc. to OSHA HCS



Printing date 11/10/2016

Reviewed on 11/10/2016

1 Identification

- **Product identifier**
- **Trade name:** *Stagestep FloorShield Stripper*
- **Application of the substance / the mixture** Basic cleaner
- **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: +1 267 672-2921
 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**
 Flam. Liq. 4 H227 Combustible liquid.
- **Label elements**
- **GHS label elements**
 The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
 Combustible liquid.
- **Precautionary statements**
 Keep away from flames and hot surfaces. – No smoking.
 Wear protective gloves / eye protection / face protection.
 In case of fire: Use for extinction: CO2, powder or water spray.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **NFPA ratings (scale 0 - 4)**

 Health = 0
 Fire = 2
 Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

 Health = 0
 Fire = 2
 Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

us

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagestep FloorShield Stripper*

(Contd. of page 1)

· **vPvB:** Not applicable.

3 Composition/information on ingredients

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

- **Dangerous components:**

	non-ionic surfactants	1-5%
64-17-5	ethanol	1-5%
5131-66-8	3-butoxypropan-2-ol	1-5%
15763-76-5	sodium p-cumenesulphonate	1-5%
100-51-6	benzyl alcohol	1-5%
102-71-6	2,2',2''-nitrilotriethanol	0.1-1%

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:** After each cleaning use treatment creams, for very dry skin greasy ointments.
- **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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Not applicable.
- **Special hazards arising from the substance or mixture** Danger of toxic pyrolysis products.
- **Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **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**
Avoid contact with the eyes.
Avoid close or long term contact with the skin.
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**
Prevent from spreading (e.g. by damming-in or oil barriers).
Dilute with plenty of water.

(Contd. on page 3)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagetest FloorShield Stripper*

(Contd. of page 2)

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:**

7758-29-4	pentasodium triphosphate	0.61 mg/m3
64-17-5	ethanol	1,800 ppm
100-51-6	benzyl alcohol	30 ppm
102-71-6	2,2',2''-nitrilotriethanol	15 mg/m3
	D-Limonen	15 ppm
78-93-3	butanone	200 ppm

- **PAC-2:**

7758-29-4	pentasodium triphosphate	6.8 mg/m3
64-17-5	ethanol	3300* ppm
100-51-6	benzyl alcohol	52 ppm
102-71-6	2,2',2''-nitrilotriethanol	240 mg/m3
	D-Limonen	67 ppm
78-93-3	butanone	2700* ppm

- **PAC-3:**

7758-29-4	pentasodium triphosphate	620 mg/m3
64-17-5	ethanol	15000* ppm
100-51-6	benzyl alcohol	740 ppm
102-71-6	2,2',2''-nitrilotriethanol	1,500 mg/m3
	D-Limonen	170 ppm
78-93-3	butanone	4000* ppm

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Follow instructions on the label and in the Technical Product Information Sheet.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

No special measures required.

- **Information about protection against explosions and fires:**

No special precautions are necessary if used correctly.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:**

Store under lock and key and out of the reach of children.

Store receptacle in a well ventilated area.

- **Specific end use(s)** No further relevant information available.

us

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagelstep FloorShield Stripper*

(Contd. of page 3)

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:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

100-51-6 benzyl alcohol

WEEL	Long-term value: 10 ppm
------	-------------------------

102-71-6 2,2',2''-nitrotriethanol

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:**
Do not eat, drink, smoke or sniff while working.
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.
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**
Butyl rubber, BR
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.
- **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:**
Where there is a danger of the eyes coming into contact with splashes of liquid (i.e. when refilling larger quantities), safety goggles according to EN 166 (i.e. goggles with side shields) are recommended.
- **Body protection:**
Not required.
Light weight protective clothing
- **Limitation and supervision of exposure into the environment**
Follow instructions for use, dosage and waste disposal.

us

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagesep FloorShield Stripper*

(Contd. of page 4)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

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

· pH-value at 20 °C (68 °F): 10

· Change in condition

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

· Flash point: 73 °C (163 °F) (Seta Flash Closed Cup)

· 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 mm Hg)

· Density at 20 °C (68 °F): 1.043 g/cm³ (8.704 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

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

· Solvent content:

VOC content ASTM D3960: 8.9 %

· Other information: No further relevant information available.

10 Stability and reactivity

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

· **Chemical stability** No information available.

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** Reacts with strong acids and oxidizing agents.

· **Hazardous decomposition products:** Danger of toxic pyrolysis products.

US

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagestep FloorShield Stripper*

(Contd. of page 5)

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

5131-66-8 3-butoxypropan-2-ol

Oral	LD50	2100-5500 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

15763-76-5 sodium p-cumenesulphonate

Oral	LD50	>2000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4h	>5 mg/l (rat)

100-51-6 benzyl alcohol

Oral	LD50	1230 - 1620 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4h	> 4.178 mg/l (rat) (OECD 403)

Primary irritant effect:

on the skin: No data available.

on the eye: No data available.

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)

64-17-5	ethanol	1
102-71-6	2,2',2''-nitritotriethanol	3
	D-Limonen	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:

5131-66-8 3-butoxypropan-2-ol

EC50/48h	>1000 mg/l (Daphnia magna)
----------	----------------------------

15763-76-5 sodium p-cumenesulphonate

EC50/48h (static)	>100 mg/l (Daphnia magna)
LC50/96h (static)	>100 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/96h (static)	>100 mg/l (green alga)

100-51-6 benzyl alcohol

EC50/48h	230 mg/l (Daphnia magna) (OECD 202)
----------	-------------------------------------

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagetest FloorShield Stripper*

(Contd. of page 6)

- **Persistence and degradability**

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

- **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:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

- **Uncleaned packagings:**

- **Recommendation:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

US

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagesep FloorShield Stripper*

(Contd. of page 7)

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):

7758-29-4 pentasodium triphosphate

78-93-3 butanone

· TSCA (Toxic Substances Control Act):

5131-66-8 3-butoxypropan-2-ol

7758-29-4 pentasodium triphosphate

64-17-5 ethanol

100-51-6 benzyl alcohol

68154-97-2 fatty alcohol, C10-12, ethoxylated, propoxylated

28348-53-0 sodium p-cumenesulphonate

5064-31-3 trisodium nitrilotriacetate

69011-36-5 isotridecanol, ethoxylated (3/4/5 EO)

102-71-6 2,2',2''-nitrilotriethanol

D-Limonen

78-93-3 butanone

1310-58-3 potassium hydroxide

5392-40-5 citral

80-56-8 Pinene

7732-18-5 water, distilled, conductivity or of similar purity

· 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

· Cancerogenity categories

· EPA (Environmental Protection Agency)

78-93-3 butanone

· TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethanol

A3

80-56-8 Pinene

A4

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

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms

Void

· Signal word

Warning

(Contd. on page 9)

us

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/10/2016

Reviewed on 11/10/2016

Trade name: *Stagetest FloorShield Stripper*

(Contd. of page 8)

- **Hazard statements**
Combustible liquid.
- **Precautionary statements**
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves / eye protection / face protection.
In case of fire: Use for extinction: CO₂, powder or water spray.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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** 11/10/2016 / 1
- **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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 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
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Flam. Liq. 4: Flammable liquids – Category 4

- * **Data compared to the previous version altered.**

US