

# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## Cleansmart Odor-Stain Blaster

Version number: GHS 4.0  
Replaces version of: 2015-08-06 (GHS 3)

revision: 2016-05-12

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **Cleansmart Odor-Stain Blaster**

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

Relevant identified uses general use

#### 1.3 Details of the supplier of the safety data sheet

Cleansmart Technologies  
P. O. Box 2126  
Loveland, Co. 80539  
877-701-5271

#### 1.4 Emergency telephone number

Emergency information service **USA 1.800.535.5053, INTL 1.352.323.3500**  
24 hour emergency telephone number.

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Annex	Hazard class and category	Hazard statement code(s)	
B.14	oxidizing solid	Cat. 2 (Ox. Sol. 2)	H272
A.10	acute toxicity (oral)	Cat. 4 (Acute Tox. 4)	H302
A.3	serious eye damage/eye irritation	Cat. 1 (Eye Dam. 1)	H318

##### Remarks

For full text of H-phrases: see SECTION 16.

##### Hazards not otherwise classified

May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and chronic).

#### 2.2 Label elements

##### Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

**Signal word** danger

##### Pictograms

GHS03, GHS05,  
GHS07



##### Hazard statements

H272 May intensify fire; oxidizer.  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.

##### Precautionary statements

##### Precautionary statements - prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep/store away from clothing/combustible materials.  
Take any precaution to avoid mixing with combustibles.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/eye protection/face protection.

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### Precautionary statements - response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Rinse mouth.

In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

### Precautionary statements - disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazardous ingredients for labelling

sodium percarbonate, Alcohols, C9-11 ethoxylated

### 2.3 Other hazards

There is no additional information.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Name of substance	Identifier	Wt%	Hazard class and category		Hazard statement
sodium percarbonate	CAS No 15630-89-4	≥ 90	B.14 A.10 A.3	Ox. Sol. 2 Acute Tox. 4 Eye Dam. 1	H272 H302 H318
Alcohols, C9-11 ethoxylated	CAS No 68439-46-3	1 - < 5	A.10 A.1D A.3	Acute Tox. 4 Acute Tox. 4 Eye Dam. 1	H302 H312 H318

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

## SECTION 4: First-aid measures

### 4.1

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

Provide fresh air.

#### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

#### Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

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### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water, foam, alcohol resistant foam, ABC-powder

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential. Oxidizing property.

#### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

### 6.3 Methods and material for containment and cleaning up

#### Advices on how to contain a spill

Covering of drains. - Take up mechanically.

#### Advices on how to clean up a spill

Take up mechanically.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal precautions: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Recommendations

##### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Take any precaution to avoid mixing with combustibles. Ground/bond container and receiving equipment.

##### Warning

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

##### Handling of incompatible substances or mixtures

##### Keep away from

organic absorbing material - pulp/paper

##### Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Managing of associated risks

##### • Explosive atmospheres

Removal of dust deposits.

##### • Flammability hazards

Keep reduction valves/valves and fittings free from oil and grease.

##### Incompatible substances or mixtures

Observe compatible storage of chemicals. Keep/store away from clothing. Take any precaution to avoid mixing with combustibles.

##### Consideration of other advice

##### Ventilation requirements

Use local and general ventilation.

##### Packaging compatibilities

Only packagings which are approved (e.g. acc. to DOT) may be used.

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### National limit values

##### Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Source
US	particulates not otherwise regulated (PNOR)		PEL	1,766	15			29 CFR OSHA
US	particulates not otherwise regulated (PNOR)		PEL	529.5	5			29 CFR OSHA

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### Notation

STEL	Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.
TWA	Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

### Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### • hand protection

In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### • other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

Particulate filter device (EN 143).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	solid (powder, granular)
Color	different
Odor	characteristic

#### Other physical and chemical parameters

pH (value)	not applicable
Melting point/freezing point	not determined
Initial boiling point and boiling range	260 °C
Flash point	not applicable (closed cup)
Evaporation rate	not determined
Flammability (solid, gas)	product is combustible
Explosion limits of dust clouds	not determined
Vapor pressure	0.0089 Pa at 25 °C
Density	2.011 g/ml

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Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	311 °C
Viscosity	not relevant (solid matter)
Explosive properties	none
Oxidizing properties	oxidizer
Oxidizing solid in accordance with GHS criteria.	

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): oxidizing property

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

##### Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

##### Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

#### 10.5 Incompatible materials

combustible materials

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Harmful if swallowed.

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### Acute toxicity estimate (ATE)

oral 1,040 mg/kg

### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
sodium percarbonate	15630-89-4	oral	1,034 mg/kg
Alcohols, C9-11 ethoxylated	68439-46-3	oral	1,200 mg/kg
Alcohols, C9-11 ethoxylated	68439-46-3	dermal	2,000 mg/kg

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

#### Carcinogenicity

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs none of the ingredients are listed

### Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

#### Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
sodium percarbonate	15630-89-4	LC50	70.7 mg/l	fish	48 h
sodium percarbonate	15630-89-4	EC50	4.9 mg/l	aquatic invertebrates	48 h
Alcohols, C9-11 ethoxylated	68439-46-3	LC50	7 mg/l	fish	96 h
Alcohols, C9-11 ethoxylated	68439-46-3	EC50	2.5 mg/l	aquatic invertebrates	48 h

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### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

#### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Alcohols, C9-11 ethoxylated	68439-46-3		3.75	

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

- |      |  |  |
|------|--|--|
| 14.1 | UN number  | 1479   |
| 14.2 | UN proper shipping name  | Oxidizing solid, n.o.s.  |
| 14.3 | Transport hazard class(es)<br>Class                                | 5.1 (oxidizing substances)   |
| 14.4 | Packing group  | II (substance presenting medium danger)                                      |
| 14.5 | Environmental hazards  | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user                                       | There is no additional information.  |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk.                             |



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### Information for each of the UN Model Regulations

#### • Transport of dangerous goods by road or rail (49 CFR US DOT)

Index number	1479
Proper shipping name	Oxidizing solid, n.o.s.
Class	5.1
Packing group	II
Danger label(s)	5.1



Special provisions (SP)	62, IB8, IP2, IP4, T3, TP33
ERG No	140

#### • International Maritime Dangerous Goods Code (IMDG)

UN number	1479
Proper shipping name	OXIDIZING SOLID, N.O.S.
Class	5.1
Packing group	II
Danger label(s)	5.1



Special provisions (SP)	274, 900
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 kg
EmS	F-A, S-Q
Stowage category	D

#### • International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	1479
Proper shipping name	Oxidizing solid, n.o.s.
Class	5.1
Packing group	II
Danger label(s)	5.1



Special provisions (SP)	A3, 274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	2.5 kg

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### National regulations (United States)

##### Toxic Substance Control Act (TSCA)

all ingredients are listed

##### SARA TITLE III (Superfund Amendment and Reauthorization Act)

List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304) none of the ingredients are listed

Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313) none of the ingredients are listed

##### Industry or sector specific available guidance(s)

##### NPCA-HMIS® III

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
Chronic	/	None.
Health	3	Major injury likely unless prompt action is taken and medical treatment is given.
Flammability	1	Material that must be preheated before ignition can occur.
Physical hazard	2	Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.
Personal protective equipment	-	

##### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)

Category	Degree of hazard	Description
Flammability	1	Material that must be preheated before ignition can occur.
Health	3	Material that, under emergency conditions, can cause serious or permanent injury.
Instability	0	Material that is normally stable, even under fire conditions.
Special hazard	OX	Oxidizer that causes a severe increase in the burning rate of combustible materials with which it comes into contact.

##### Right to Know Hazardous Substance List

none of the ingredients are listed

##### Proposition 65 List of chemicals

none of the ingredients are listed

##### Relevant European Union (EU) safety, health and environmental provisions

##### Classification according to GHS (1272/2008/EC, CLP)

##### Hazard class

oxidizing solid  
acute toxicity (oral)  
serious eye damage/eye irritation

##### Category Hazard class and category

2 (Ox. Sol. 2)  
4 (Acute Tox. 4)  
2 (Eye Irrit. 2)

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### SECTION 16: Other information, including date of preparation or last revision

#### 16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Trade name: Odor-Stain Blaster	Trade name: Cleansmart Odor-Stain Blaster	yes
1.3	Details of the supplier of the safety data sheet: Clean Smart 1121 E Eisenhower Blvd Loveland, CO 80537 970-669-5407	Details of the supplier of the safety data sheet: Cleansmart Technologies P. O. Box 2126 Loveland, Co. 80539 877-701-5271	yes
1.3	Competent person responsible for the SDS:  Robert Blahnik		yes
3.2		Description of the mixture: change in the listing (table)	yes
11.1		Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1		Acute toxicity of components of the mixture: change in the listing (table)	yes

#### 16.2 Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR OSHA	29 CFR §1910.1001 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR § 40 U.S. Department of Transportation
Acute Tox.	acute toxicity
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EmS	Emergency Schedule
ERG No	Emergency Response Guidebook - Number
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
IATA	International Air Transport Association

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Abbr.	Descriptions of used abbreviations
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
Ox. Sol.	oxidizing solid
PBT	Persistent, Bioaccumulative and Toxic
PEL	permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	parts per million
STEL	short-term exposure limit
TWA	time-weighted average
vPvB	very Persistent and very Bioaccumulative

### 16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

### 16.4 Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### 16.5

#### List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H272	may intensify fire; oxidizer
H302	harmful if swallowed
H312	harmful in contact with skin
H318	causes serious eye damage

### 16.7

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.