

Revision Date 05-Dec-2019

Version 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** FLOOR-EX

**Other means of identification**

**Product Code** 20002

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Floor treatment

**Uses advised against** Follow the directions for use on the label when applying this product

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

PSSI Chemical Innovations  
3729 Peddle Hollow Road  
Kieler, WI 53812

**Emergency telephone number**

**Company Phone Number** 888-671-5366

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2B
Oxidizing solids	Category 2

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if swallowed

Causes eye irritation

May intensify fire; oxidizer



**Appearance** Powder

**Physical state** Solid

**Odor** None

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces. No smoking

Keep/Store away from clothing/combustible materials

Take any precaution to avoid mixing with combustibles.

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other Information**

• Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	weight-%
Sodium carbonate peroxyhydrate	15630-89-4	45-55
Trade Secret 1	Proprietary	45-55
Tetradecyl dimethyl benzyl ammonium chloride	139-08-2	0.5-1.5
Trade Secret 2	Proprietary	< 0.04
Trade Secret 3	Proprietary	< 0.04

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Seek immediate medical attention/advice.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing and shoes before reuse.

**Inhalation** Remove to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 11 for symptom information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Water. Water spray (fog).

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

Pressure burst may occur due to decomposition in confined spaces. Wet product decomposes exothermally and may cause combustion of organic materials.

**Hazardous combustion products** On decomposition product releases oxygen which may intensify fire. Decomposition releases steam and heat.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Isolate area. Keep unnecessary personnel away.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Collect spillage. Sweep up and shovel into suitable containers for disposal. Avoid creating dust. Following product recovery, flush area with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Do not breathe dust. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Protect from direct sunlight.

**Incompatible materials** Water. Acids. Alkali. Salts of heavy metals. Reducing agent. Organics.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

#### Engineering Controls

Showers, eyewash stations, ventilation system.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin and body protection

Wear protective Neoprene™ gloves or rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended. Apron recommended.

##### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### General Hygiene Considerations

Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### Physical state

Solid

#### Appearance

Powder

#### Color

White

#### Odor

None

#### Odor threshold

No information available

#### Property

#### Values

#### Remarks • Method

#### pH

10

±0.5 @ 21°C (2% solution)

#### Melting point/freezing point

No information available

#### Boiling point / boiling range

No information available

#### Flash point

No information available

#### Evaporation rate

No information available

#### Flammability (solid, gas)

No information available

#### Flammability Limit in Air

##### Upper flammability limit:

No information available

##### Lower flammability limit:

No information available

#### Vapor pressure

No information available

#### Vapor density

No information available

#### Bulk density

1.1 g/cc

#### Water solubility

Soluble in water

#### Solubility in other solvents

No information available

#### Partition coefficient

No information available

#### Autoignition temperature

No information available

#### Decomposition temperature

No information available

#### Kinematic viscosity

No information available

#### Dynamic viscosity

No information available

#### Explosive properties

No information available

#### Oxidizing properties

No information available

#### VOC Content (%)

0.00%

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Pressure burst may occur due to decomposition in confined spaces. Wet product decomposes exothermally and may cause combustion of organic materials.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

Water. Acids. Alkali. Salts of heavy metals. Reducing agent. Organics.

### Hazardous Decomposition Products

Oxygen which supports combustion. Decomposition releases steam and heat. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.  
**Eye contact** Risk of serious damage to eyes. Direct eye contact causes eye irritation and redness of eye tissues. May cause burns.  
**Skin Contact** Irritating to skin.  
**Ingestion** Ingestion may cause irritation to mucous membranes. Might cause nausea and vomiting.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate peroxyhydrate 15630-89-4	= 1034 mg/kg ( Rat )	-	-
Trade Secret 1	= 4220 mg/kg ( Rat )	-	-
Trade Secret 3	= 400 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** No information available.  
**Delayed and immediate effects as well as chronic effects from short and long-term exposure**  
**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document**  
**Oral LD50** 1,548.00 mg/kg  
**Dermal LD50** 64,454.00 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects  
 0.072% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium carbonate peroxyhydrate 15630-89-4	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
Trade Secret 1	650: 120 h Nitzschia linearis mg/L EC50	8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	2350: 48 h Daphnia magna mg/L EC50
Tetradecyl dimethyl benzyl ammonium chloride 139-08-2	-	1.6: 96 h Poecilia reticulata LC50	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

Soluble in water.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Sodium carbonate peroxyhydrate - 15630-89-4	Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID No.** 1479  
**Proper shipping name** Oxidizing solids, n.o.s. (Sodium carbonate peroxyhydrate)  
**Hazard Class** 5.1  
**Packing Group** III  
**Emergency Response Guide Number** 140

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDL** Complies  
**EINECS/ELINCS** Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 0	Instability 1	<b>Physical and Chemical Properties</b>
				OX - Oxidizer
<b><u>HMIS</u></b>	Health hazards 2	Flammability 0	Physical hazards 1	<b>Personal protection</b> C (safety glasses, gloves, synthetic apron)

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**Revision Note**

New information on raw ingredient has become available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**