



Sentinel 404 Floor Polish

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 07/20/2018 Version: 2.0

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

1.1. Product identifier

Product name : Sentinel 404 Floor Polish
Product form : Mixture

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

Use of the substance/mixture : Floor polishing

1.3. Details of the supplier of the safety data sheet

Sentinel Products Inc.
8901 Wyoming Avenue North
Brooklyn Park, MN 55445
Phone: (763) 571-0630
Toll-free: (800)-373-0633
www.senpro.com

1.4. Emergency telephone number

Emergency number : 1-866-359-5661

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not a hazardous material

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) : None
Signal word (GHS-US) : None
Hazard statements (GHS-US) : None
Precautionary statements (GHS-US) : None

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Approximately 12% of this mixture is ingredients of unknown toxicity. There is no toxicity data for the polymer in this product which is exempt and categorized in a low concern functional group under the EPA's Toxic Substances Control Act.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
2-(2-ethoxyethoxy)ethanol	(CAS No) 111-90-0	Proprietary*
Tris(2-butoxyethyl) phosphate	(CAS No) 78-51-3	Proprietary*
(2-methoxymethylethoxy)propanol	(CAS No) 34590-94-8	Proprietary*

*The exact percentage of composition has been withheld as a trade secret

There are no additional components which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
First-aid measures after skin contact : IF ON SKIN: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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- First-aid measures after eye contact : IF IN EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation occurs, get medical attention.
- First-aid measures after ingestion : IF SWALLOWED: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Symptoms/injuries after skin contact : No known significant effects or critical hazards.
- Symptoms/injuries after eye contact : Causes eye irritation. Adverse symptoms may include the following: irritation, watering, redness.
- Symptoms/injuries after ingestion : May be irritating to mouth, throat and stomach.
- Chronic symptoms : No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison specialist immediately if large quantities have been consumed. In the case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if without risk. Prevent entry into sewers. Dilute small spills with water and mop up.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Mop up as much as possible, then flush with large volumes of water. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of according to local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.
Keep container closed when not in use. Do not allow to freeze, as container may burst.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-(2-ethoxyethoxy)ethanol (111-90-0)	
Remark (AIHA WEEL)	TWA: 25 ppm 8 hours
(2-methoxymethylethoxy)propanol (34590-94-8)	
Remark (ACGIH TLV) (United States, 4/2014)	Absorbed through skin. TWA: 100 ppm 8 hours TWA: 606 mg/m ³ 8 hours STEL: 150 ppm 15 minutes STEL: 909 mg/m ³ 15 minutes
Remark (OSHA PEL 1989) (United States, 3/1989)	Absorbed through skin. TWA: 100 ppm 8 hours TWA: 600 mg/m ³ 8 hours STEL: 150 ppm 15 minutes STEL: 900 mg/m ³ 15 minutes
Remark (NIOSH REL) (United States, 10/2013)	Absorbed through skin. TWA: 100 ppm 10 hours TWA: 600 mg/m ³ 10 hours STEL: 150 ppm 15 minutes STEL: 900 mg/m ³ 15 minutes
Remark (OSHA PEL) (United States, 2/2013)	Absorbed through skin. TWA: 100 ppm 8 hours TWA: 600 mg/m ³ 8 hours

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Protective goggles.



Hand protection : No protection required unless a risk assessment indicates this is necessary.

Eye protection : Eye protection must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : No protection required unless a risk assessment indicates this is necessary.

Respiratory protection : No protection required unless a risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Opaque
Color : Milky white
Odor : None
Odor Threshold : No data available
pH : 8 - 9
Relative evaporation rate (butyl acetate=1) : Slower than ether
Melting point : No data available
Freezing point : 0 °C (32 °F)
Boiling point : 100 °C (212 °F)
Flash point : None to boiling
Self-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available

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Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Sparks. Heat. Open flame. Freezing.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Thermal decomposition generates : Oxides of carbon and nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

2-(2-ethoxyethoxy)ethanol (111-90-1)	
LD50 oral rat	7500 mg/kg
(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 dermal rabbit	9500 mg/kg
LD50 oral rat	5135 mg/kg
Tris(2-butoxyethyl) phosphate (78-51-3)	
LD50 oral rat	3 g/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-(2-ethoxyethoxy)ethanol (111-90-1)	Eyes - Mild Irritant	Rabbit	-	125 milligrams	-
	Eyes - Moderate Irritant	Rabbit	-	500 milligrams	-
	Skin - Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
(2-methoxymethylethoxy)propanol (34590-94-8)	Eyes - Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
Tris(2-butoxyethyl) phosphate (78-51-3)	Eyes - Mild Irritant	Human	-	8 milligrams	-
	Eyes - Mild Irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild Irritant	Rabbit	-	500 milligrams	-

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

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Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation : No specific data.

Symptoms/injuries after skin contact : No specific data.

Symptoms/injuries after eye contact : No specific data.

Symptoms/injuries after ingestion : No specific data.

Chronic symptoms : No specific data.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should not be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

In accordance with DOT

Transport document description : Cleaning Compound

Department of Transportation (DOT) Hazard Classes : Not Regulated – Product does not sustain combustion

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

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All chemical substances in this product are listed or exempted in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65

This product does not contain any substances known to the State of California to cause cancer and/or reproductive harm.

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SECTION 16: Other information

Indication of changes	: Revision 2.0 - 20 July 2018 - Formulary Update
Other information	: Author: KAD.
NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 0 – Materials that will not burn under normal fire conditions.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health	: 1
Flammability	: 0
Physical	: 0
Personal Protection	:

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