

Single-Step™ Floor Cleaner and Polish: Rich Gloss

Safety Data Sheet

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

Revision date: 2/3/17 Version: 1.1

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

1.1. Product identifier

Product name : Single-Step™ Floor Cleaner and Polish: Rich Gloss
Product form : Mixture

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

Use of the substance/mixture : Floor cleaning and polishing

1.3. Details of the supplier of the safety data sheet

Cal-Flor Accessories System
1000 Cal Oak Road
Oroville, CA 95965
Phone: (530) 534-1426

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) : P103 – Read label before use
P102 – Keep out of reach of children
P101 – If medical advice is needed, have product container or label at hand

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*
(2-methoxymethylethoxy)propanol	(CAS No) 34590-94-8	Proprietary*
Tris(2-butoxyethyl) phosphate	(CAS No) 78-51-3	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.
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. Get medical attention if irritation occurs.

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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. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Symptoms/injuries after inhalation : No known significant effects or critical hazards.
Symptoms/injuries after skin contact : No known significant effects or critical hazards.
Symptoms/injuries after eye contact : No known significant effects or critical hazards.
Symptoms/injuries after ingestion : No known significant effects or critical hazards.
Chronic symptoms : No data available.

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

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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) 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
(OSHA PEL 2013) Absorbed through skin.	TWA: 100 ppm 8 hours TWA: 600 mg/m ³ 8 hours
(NIOSH REL) 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

8.2. Exposure controls

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

Personal protective equipment : Protective goggles when necessary.



Hand protection : No protection required.

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.

Respiratory protection : No protection required.

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
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available

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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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

2-(2-ethoxyethoxy)ethanol (111-90-1)	
LD50 oral rat	> 7000 mg/kg
(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 dermal rabbit	> 9400 mg/kg
LD50 oral rat	> 5000 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
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

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: No known significant effects or critical hazards.
Symptoms/injuries after skin contact	: No known significant effects or critical hazards.
Symptoms/injuries after eye contact	: No known significant effects or critical hazards.
Symptoms/injuries after ingestion	: No known significant effects or critical hazards.
Chronic symptoms	: No data available.

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

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

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

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.

SECTION 16: Other information

Indication of changes : Revision 1.1 - 3 February 2016 - Formula updated.

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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