

Safety Data Sheet

Issue Date: 01-Dec-2014

Revision Date: 23-Feb-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Floor Buff FB
Formulated Acrylic Emulsion Polymer

Other means of identification

SDS # CCW

Recommended use of the chemical and restrictions on use

Recommended Use Floor Buff Spray

Details of the supplier of the safety data sheet

Supplier Address

Consolidated Chemical Works, Ltd.
400 N. Ashland Ave.
Chicago, IL 60622

Emergency Telephone Number

Company Phone Number Phone: 312-226-6150
Fax: 312-226-5599
Website: www.consolidatedchemical.com

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Light milky blue

Physical State Liquid

Odor No Fragrance added

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-(2-ethoxyethoxy)ethanol	111-90-0	0.25-.052
2-(2-methoxyethoxy)ethanol	111-77-3	0.05-.025
Tris (2-butoxyethyl)phosphate	78-51-3	0.05-.025
(2-methoxymethylethoxy)propanol	34590-94-8	<0.05

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 10 minutes, lifting lower and upper eyelids. Consult a physician if irritation persists.
Skin Contact	Flush contaminated skin with plenty of water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Remove dentures if any. If swallowed, give small quantities of water as need. Stop if any vomiting. Do not induce vomiting. Get medical attention if vomiting persists.

Most important symptoms and effects

Symptoms	May cause eye irritation. No known significant effects or critical hazards to skin exposure. Exposure to decomposition products may cause a health hazard. Serious side effects may be delayed following exposure. If ingested, may be irritating to mouth, throat and stomach. Over exposure to eyes may cause irritation and watering.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

In a fire or if heated, a pressure can occur and the container may burst

Hazardous thermal decomposition products Decomposition products may include the following materials:
carbon dioxide, carbon monoxide, nitrogen oxides, phosphorus oxides, metal oxide/oxides

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Avoid contact with eyes and skin. Avoid breathing vapors or mists.

Environmental Precautions 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 Clean-Up Concentrated materials are packed in unit-dosed bags limiting any spills to very small quantities. Paper toweling or mopping is usually sufficient. Dilute with water if needed and clean. Dispose of contents/container to an approved waste disposal plant.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Ensure adequate ventilation, especially in confined areas. Keep in original container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not ingest. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in accordance with local regulations. Store in original container protected from direct sunlight in a cool, dry and well-ventilated place away from incompatible materials and food and drink. Keep container closed until ready to use.

Incompatible Materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ingredient Name	Exposure Limits
2-(2-ethoxyethoxy)ethanol	AIHA WEEL (United States, 10/2011). TWA: 25 ppm 8 hours
(2-methoxymethylethoxy)propanol	ACGIH TLV (United States, 6/2013). 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 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. 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. OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 100 ppm 8 hours. TWA: 600 mg/m ³ 8 hours.

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures, such as personal protective equipment

Eye/Face Protection None required under normal use. Use safety glasses if, in specific applications, working solution will get into eyes.

Skin and Body Protection None required under normal use. May use gloves to avoid any possible skin irritation.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. None required under normal use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling, before eating, smoking and using lavatory and at end of work period. Wash contaminated clothing and ensure that eyewash stations close to work station as needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	No Fragrance added
Appearance			concentrate/use solution
Color	Light Milky blue	Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8-9	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	<4 kPa (<30 mm Hg) [room temperature]	
Vapor Density	<1 [Air = 1]	
Specific Gravity	1.06 g/cm ³	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

No specific data . See Sec. 7 Handling & Storage.

Incompatible Materials

No specific data

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION

Component Information

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-ethoxyethoxy)ethanol	LD50 Oral	Rat	7500 mg/kg	-
2-(2-methoxyethoxy)ethanol	LD50 Dermal	Rabbit	9404 mg/kg	-
tris(2-butoxyethyl) phosphate	LD50 Oral	Rat	3 g/kg	-
(2-methoxymethylethoxy) propanol	LD50 Dermal	Rabbit	9500 mg/kg	-
	LD50 Oral	Rat	5135 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observatio
2-(2-ethoxyethoxy)ethanol	Eyes - Mild irritant	Rabbit	-	125 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
2-(2-methoxyethoxy)ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	500 milligrams	-
tris(2-butoxyethyl) phosphate	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
(2-methoxymethylethoxy) propanol	Eyes - Mild irritant	Human	-	8 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

Information on likely routes of exposure

Not available

Product Information

Eye Contact Avoid contact with eyes. May cause eye irritation, watering or redness.

Skin Contact Avoid long term skin contact. No known significant effects or critical hazards.

Inhalation Avoid breathing vapors or mists. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure

Ingestion Do not ingest. May be irritating to mouth, throat and stomach.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity : Acute Toxicity estimates

<u>Route</u>	<u>ATE Value</u>
Oral	162443.2 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product as a whole has not been tested for ecotoxicity

Component Information

<u>Product/Ingredient Name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
2-(2-ethoxyethoxy) ethanol	Acute LC50 3340000µg/l Fresh Water	Daphnia-Daphnia magna- Neonate	48 hours
2(2-methoxyethoxy) ethanol	Acute LC50 6010000 µg/l Fresh Water	Fish- Ictalurus punctatus	96 hours
	Acute EC50 930 ppm Fresh Water	Daphnia- Daphnia magna	48 hours
	Acute LC50 960 ppm Fresh Water	Fish – Oncorhynchus mykiss	96 hours
	Acute LC50 11200 µg/l Fresh Water	Fish – Pimephales promelas	96 hours

Persistence/Degradability

Not determined.

Bioaccumulative Potential

<u>Product/ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
2-(2-ethoxyethoxy) ethanol	-0.54	-	low
2-(2-methoxyethoxy) ethanol	-0.47	-	low
Tris (2-butoxyethyl) phosphate	3.75	5.8	low
(2-mehoxymethylethoxy) propanol	0.004	-	low

Mobility in Soil

Soil/water partition coefficient (Koc): Not available

Other Adverse Effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. The generation of waste should be avoided or minimized when possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated Packaging

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

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not reportable in package quantities (package size under 8 oz)..

IATA

Not reportable in package quantities (package size under 8 oz).

IMDG

Not reportable in package quantities (package size under 8 oz.)

15. REGULATORY INFORMATION

International Inventories

**Canada inventory
International Lists**

: Not determined
Australia inventory (AICS): Not determined
China inventory (IECSC): Not determined
Japan inventory : Not determined
Korea inventory: Not determined
Malaysia Inventory (EHS Register): Not determined
New Zealand Inventory of Chemicals (NZIoC): Not determined
Philippines inventory (PICCS):Not determined
Taiwan inventory (CSNN): Not determined.

US Federal Regulations United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112: Listed
(b) Hazardous Air Pollutants (HAPs)

SARA 313/312

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Classification : Immediate health hazard. Percentages of these chemicals in products are very small. Please note percentages.

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-(2-ethoxyethoxy)ethanol	0.25-0.50	No.	No.	No.	Yes.	No.
2-(2-methoxyethoxy)ethanol	0.05-0.25	Yes.	No.	No.	Yes.	No.
tris(2-butoxyethyl) phosphate	0.05-0.25	No.	No.	No.	Yes.	No.
(2-methoxymethylethoxy)propanol	<0.05	Yes.	No.	No.	Yes.	No.

US State Regulations

California Proposition 65

This product contains small amounts of dibutyl phthalate which is known to the State of California to cause birth defects or other reproductive harm in larger quantities.

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	2	0	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	0	0	Not determined

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Revision Note: New format

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 information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

