



SAFETY DATA SHEET

Issuing Date No data available

Revision Date 25-March 2015

Revision Number 0

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

GHS product identifier

Product Name SUPERIOR SEAL

Other means of identification

Product Code(s) 174031

Synonyms N/A

Recommended use of the chemical and restrictions on use

Recommended Use Floor Finish

Uses advised against No Information Available

Supplier's details

Supplier Address
Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

This chemical is NOT considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word
Hazard Statements

Appearance White

Physical State Liquid

Odor N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
Acrylic Polymer	Proprietary	25 – 40	*
Tributoxyethyl phosphate	78-51-3	< 3	*
Di(ethylene glycol) ethyl ether	111-90-0	< 3	*
Dipropylene Glycol Monomethyl Ether (DPM)	34590-94-8	< 3	*

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

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Indication of immediate medical attention and special treatment needed, if necessary

Symptoms	Direct contact with eyes may cause temporary irritation.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Specific Hazards Arising from the Chemical

No information available

Hazardous Thermal Decomposition Products

No information available

Specific Fire-Fighting Methods

No information available

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Environmental Precautions

Environmental Precautions	See Section 12 for additional Ecological Information.
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Methods and materials for containment and cleaning up

Methods for Cleaning Up Prevent further leakage or spillage If safe to do so.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye & Face Protection Avoid contact with eyes.

Hand & Skin Protection Wear suitable protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined area.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	White
Odor	No information available	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	8.0 – 8.5
Melting Point/Range	No data available
Boiling Point/Boiling Range	> 100°C
Flash Point	N/A
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Water Solubility	100

Specific Gravity	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

Strong acids

Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

Symptoms

Eye Contact	Avoid contact with eyes
Skin Contact	Repeated exposure may cause skin dryness or cracking
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow

Toxicity Data

Product	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acrylic Polymer	> 5000 mg/kg (Rat)	-	-
Tributoxyethyl phosphate 78-51-3	= 3000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 6.4 mg/L (Rat) 4h
Di(ethylene glycol) ethyl ether 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m ³ (rat) 4h
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	= 5230 mg/kg (rat)	= 9500 mg/kg (Rabbit)	-

Chronic Toxicity

Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental Effects	No known significant effects or critical hazards.
Fertility Effects	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Fish	Daphnia Magna (Water Flea)
Tributoxyethyl phosphate 78-51-3	10.4–12.0: 96h Pimephales promelas mg/L LC50 flow-through	-
Di(ethylene glycol) ethyl ether 111-90-0	11400-15700: 96h Oncorhynchus mykiss mg/L LC50 flow-through 11600-16700: 96h Pimephales promelas mg/L LC50 flow-through 10000: 96h Lepomis macrochirus mg/L LC50 static 19100-23900: 96h Lepomis macrochirus mg/L LC50 flow-through 13400: 96h Salmo gairdneri mg/L LC50 flow-through	3940-4670: 48h Daphnia magna mg/L EC50
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	10000: 96h Pimephales promelas mg/L LC50 static	1919: 48h Daphnia magna mg/L LC50

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT
Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Complies

U.S. Federal Regulations

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

SARA 313 – Threshold Values %:
Di(ethylene glycol) ethyl ether (111-90-0) – 1.0
Dipropylene Glycol Monomethyl Ether (34590-94-8) – 1.0

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

California Proposition 65

This product does not contain any Proposition 65 chemicals

US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Di(ethylene glycol) ethyl ether	X				
Dipropylene Glycol Monomethyl Ether	X	X	X		

16. OTHER INFORMATION

NFPA Health 1 Flammability 0 Instability 0
HMIS Health 1 Flammability 0 Physical Hazards 0

Prepared By	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355
Issuing Date	No information available
Revision Date	25-March 2015
Revision Note	N/A

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet