



SAFETY DATA SHEET

Issuing Date No data available

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Revision Number 0

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

GHS product identifier

Product Name SUPERIOR PLUS

Other means of identification

Product Code(s) 176050

Synonyms N/A

Recommended use of the chemical and restrictions on use

Recommended Use Floor Wax/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

SKIN CORROSION/IRRITATION – Category 2
EYE DAMAGE/IRRITATION – Category 2
AQUATIC TOXICITY, ACUTE – Category 3
AQUATIC TOXICITY, CHRONIC – Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

- Causes serious eye damage
- Causes skin irritation
- Harmful to aquatic life with long lasting effects

Appearance White**Physical State** Liquid**Odor** Mild Odor**Symbol:****Precautionary Statements****Prevention**

Wear protective gloves/protective clothing/eye protection/face protection. Wash hands, face and exposed skin thoroughly after handling. Avoid release to the environment.

Eyes

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

Skin

IF ON SKIN, wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.

Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
Styrene/Acrylic Copolymer	Proprietary	40 – 45	*
2-(2-ethoxyethoxy)ethanol	111-90-0	1 - 5	*
tris(2-butoxyethyl) phosphate	78-51-3	< 5	*
Zinc Oxide Complex	1314-13-2	< 5	*

* 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 with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs, get medical advice/attention.

Inhalation

Remove to fresh air.

Ingestion

Clean mouth with water and drink plenty of water after.

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

Notes to Physician Contact may cause irritation and redness.

Indication of Any Immediate Medical Attention and Special Treatment 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

Non-flammable

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.

Environmental Precautions

Environmental Precautions No information available

Methods and materials for containment and cleaning up

Methods for Cleaning Up Prevent further leakage or spillage if safe to do so. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Use personal protection recommended in Section 8. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists.

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

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Tris(2-butoxyethyl) phosphate 78-51-3	TWA: 20 ppm	TWA: 25 mg/M3	TWA: 120 mg/M3

General protective and hygienic measures

No information available.

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits.

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 areas.
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	Mild Odor	Odor Threshold	No information available

Property	Values
pH	8.0 – 8.5
Melting Point/Range	No data available
Boiling Point/Boiling Range	> 100° C
Flash Point	N/A
Evaporation rate	< 1 Water
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
Specific Gravity	No data available
Water Solubility	100
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

No information available

Incompatible materials

No information available

Hazardous decomposition products

No information available

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tris(2-butoxyethyl) phosphate 78-51-3	= 3000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 6.4 mg/L (Rat) 4h
Acrylic Polymer	> 5000 mg/kg (Rat)	-	-
2-(2-ethoxyethoxy)ethanol 111-90-0	= 10502 mg/kg (Rat)	= 9143 mg/kg (Rabbit)	> 6.4 mg/L (Rat) 4h

Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

Eye Contact

Avoid contact with eyes.

Skin Contact

May cause an allergic skin reaction. Causes skin irritation. May be harmful in contact with skin

Inhalation

Avoid breathing vapors or mists.

Ingestion

Do not taste or swallow.

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

Toxicity

Chemical Name	Fish	Crustacea
Zinc Oxide 1314-13-2	21 mg/L LC50	5: 48h Daphnia magna mg/L EC50
tris(2-butoxyethyl) phosphate 78-51-3	10.4 – 12.0: 96h Pimephales promelas mg/L LC50 flow-through	-
2-(2-ethoxyethoxy)ethanol 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

Behavior in Environmental Systems

No further relevant information available

Additional Ecological Information

No further relevant information available

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

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

Uncleaned Packaging

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

14. TRANSPORT INFORMATION

DOT Not Regulated

IATA Not Regulated

IMDG 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 contains chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:
 111-90-0 2-(2-ethoxyethoxy)ethanol
 1314-13-2 Zinc Oxide

SARA 311/312 Hazard Categories

No information available

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.

California Proposition 65

This product does not contain any substances regulated by California Proposition 65.

US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol 111-90-0	X		X
tris(2-butoxyethyl) phosphate 78-51-3	X		X
Zinc Oxide 1314-13-2	X	X	X

16. OTHER INFORMATION

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

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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