

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

This SDS is used for the following Arcot products:

Arcot #8664 SeaClean Floor Finish & Sealer (and other versions of 8664)

Arcot #9664 FLEX-SHEEN Floor Finish & Sealer (and other versions of 9664)

Arcot #9665 FINISH BRIGHT Spray & Buff Restorer (and other versions of 9665)

Manufacturer: Arcot Manufacturing Corporation, 2950 Mowery Road, Houston, Texas, U.S.A. 77045

Arcot Customer Service Telephone: 713-413-9700

Website: www.ArcotManufacturing.com

Recommended Use: Floor finish, sealer or restorer for VCT, vinyl and terrazzo floors.

Restrictions on Use: Do not use on marble or other surfaces not recommended by the manufacturer and not tested.

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Classification:

Acute toxicity, oral: Category 4

Skin corrosion/irritation: Category 2

Eye damage/irritation: Category 2B

GHS Label element

Hazard pictograms:



Signal Word: **WARNING**

Hazard statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H320: Causes eye irritation.

H412: Harmful to aquatic life with long-lasting effects.

Precautionary statements:

Prevention:

P233: Keep container tightly closed.

P234: Keep only in original container.

P235: Keep cool.
 P261: Avoid breathing mist, vapors or spray.
 P262: Do not get in eyes, on skin, or on clothing.
 P264: Wash face, hands and any exposed skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear protective gloves and eye protection.

Response:

P301 + P312 + P330 + P331: IF SWALLOWED: Call a doctor if you feel unwell. Rinse Mouth. Do NOT induce vomiting.
 P305 + P351 + P338 + P337 + P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
 P302 + P352: IF ON SKIN: Wash with plenty of water and soap.
 P362 + P364: Take off contaminated clothing and wash it before reuse.
 P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
 P315: If any irritation persists, get immediate medical attention.
 P370: In case of fire: Use water spray, alcohol-resistant foam, carbon dioxide (CO²) or dry chemical to extinguish.

Storage:

P403: Store in a well-ventilated place.
 P410: Protect from sunlight.

Disposal:

P501: Dispose of contents and container to an approved waste disposal plant in accordance with applicable local, state, federal and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Styrene Acrylic Copolymer	Proprietary	< 30%
2-(2-ethoxyethoxy)ethanol	111-90-0	< 7%
Tributoxyethyl Phosphate	78-51-3	< 5%
Zinc oxide	1314-13-2	< 1%
Ammonia	7664-41-7	< 1%
Other ingredients are nonhazardous and/or considered trade secrets; however, all hazardous aspects of the ingredients and of this mixture are considered and included. The exact percentage of composition has been withheld as a trade secret. This SDS is used for a group of substantially similar mixtures.		

4. FIRST-AID MEASURES

General advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms may appear several hours later. Do not leave the victim unattended.

IF SWALLOWED: Call a doctor if you feel unwell. Rinse Mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If any irritation persists, get immediate medical attention.

Most important symptoms and effects, both acute and delayed: May cause eye irritation with reddening and watering. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Also see Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Product is not flammable. Water fog, foam, dry chemical powder or carbon dioxide may be used for surrounding fires.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this may spread the fire.

Specific hazards that may develop from this product during fire: Hazardous decomposition and byproducts may include carbon oxides (such as carbon monoxide and carbon dioxide) and other gases hazardous to health and of unknown stability.

Protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Precautions for firefighters: Use water spray to keep fire-exposed containers cool.

General advice: Move containers from fire area if you can do so without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. 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 cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Advice on safe handling: Do not breathe vapors. Avoid contact with eyes and skin. For personal protection, see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Exposure Guidelines: Exposure guidelines noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide 1314-13-2	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m ³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m ³	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m ³ STEL: 35 ppm STEL: 27 mg/m ³

NIOSH IDLH = Immediately Dangerous to Life or Health

Appropriate engineering controls: Provide sufficient mechanical ventilation to maintain airborne levels below recommended exposure limits.

Personal Protective Equipment (PPE):

Eye/face protection: Wear safety glasses with side shields (or goggles). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene: 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	Opaque
Color	Off-white
Odor	Mild Ammonia
Odor threshold	No Information available
pH	8 - 9
Specific Gravity	1
Viscosity	<100cP @ 25°C
Melting point/freezing point	No Information available
Flash point	None known
Boiling point / boiling range	212°F (at 760 mm Hg)
Evaporation rate	No Information available
Flammability (solid, gas)	Not applicable
Flammability Limits in Air	
Upper flammability limit:	No Information available
Lower flammability limit:	No Information available
Vapor pressure	No Information available
Vapor density	No Information available
Water solubility	Complete
Partition coefficient	No Information available
Auto-ignition temperature	No Information available
Decomposition temperature	No Information available
Density	approximately 8.5 Lb./Gal.
VOC Content	< 5%

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to avoid: Extremes of temperature, direct sunlight, contact with other chemicals.

Incompatible materials: Strong acids.

Hazardous Decomposition Products: See section 5 for possible decomposition byproducts during fires.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information Harmful by ingestion and inhalation and in contact with eyes and skin.

 Inhalation Avoid breathing vapors or mists. May cause irritation of respiratory tract.

 Eye contact Avoid contact with eyes. Causes eye irritation.

Skin Contact Avoid contact with skin. Prolonged or repeated contact may dry skin and cause irritation.

Ingestion Not an expected route of exposure. Do not taste or swallow.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-ethoxyethoxy)ethanol 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m3 (Rat) 4 h

Information on toxicological effects: No Information available.

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

Sensitization No Information available.
 Germ cell mutagenicity No Information available.
 Carcinogenicity This product is not considered to be a carcinogen as listed by ACGIH, OSHA, IARC or NTP.
 Reproductive toxicity No Information available.
 STOT - single exposure No Information available.
 STOT - repeated exposure No Information available.
 Chronic toxicity No Information available.
 Aspiration hazard No Information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

34.68746% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-(2-ethoxyethoxy)ethanol 111-90-0	-	10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through	3940 - 4670: 48 h Daphnia magna mg/L EC50
Tributoxyethyl Phosphate 78-51-3	-	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	-
Ammonia 7664-41-7	-	0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.73 - 2.35: 96 h Pimephales promelas mg/L	25.4: 48 h Daphnia magna mg/L LC50

		LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static	
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Persistence and degradability: No Information available.

Bioaccumulation: No Information available.

Chemical Name	Partition coefficient
2-(2-ethoxyethoxy)ethanol 111-90-0	-0.8
Tributoxyethyl Phosphate 78-51-3	4.78
Ammonia 7664-41-7	-1.14

Other adverse effects: No Information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal of wastes: Dispose in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Do not reuse container.

14. TRANSPORT INFORMATION

DOT (Department of Transportation): Not regulated

15. REGULATORY INFORMATION

International Inventories:

TSCA Complies
DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations:

SARA 313 - Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
2-(2-ethoxyethoxy)ethanol - 111-90-0	1.0

SARA 311/312 Hazard Categories:

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (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)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc oxide 1314-13-2	-	X	-	-
Ammonia 7664-41-7	100 lb	-	-	X

CERCLA - This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonia 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

16. OTHER INFORMATION

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties Yes
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection B

DISCLAIMER: The information contained herein is based upon data obtained from sources believed to be reliable and reflects our best professional judgment. Since it is impossible to anticipate all of the conditions under which our products may be used, we do not guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his or her particular purpose and should comply with all federal, state and local regulations. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. We shall not be held liable for any damage resulting from handling or from contact with the above product or from improper use of our products. We do not provide any warranties, expressed or implied, and do not assume any responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. We update SDS and labels on a regular basis. Please do not hesitate to contact us for current information.

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