AEROGLAZE® 9743

EPOXY PRIMER/TIE-COAT

Technical Data Sheet - Fiche Technique

Aeroglaze® 9743 is a two-part epoxy primer designed for use on aluminum, metal, and prepared composite surfaces. Aeroglaze 9743 primer/tie-coat can be applied to scuff-sanded urethane top coats and epoxy primers. It is also used as a tie coat between scuff-sanded weather worn coatings and new urethane topcoats.

Features & Benefits

- Meets Military Performance Requirements of Mil-P-23377.
- Excellent Chemical and Corrosion Resistance.
- Lead and Chromate-free.
- VOC Compliant (310 gm/liter, 2.6 lbs/gal VOC).

Packaging

- **9743A**
  1 Quart Container (0.95 Liter)
  1 Gallon Container (3.8 Liter)
- **9700B**
  1/2 Pint Container (0.24 Liter)
  1 Quart Container (0.95 Liter)

DIRECTIONS FOR USE

Surface Preparation
For maximum corrosion protection and long service life, clean all substrates and properly prepare before priming.

Non-Ferrous Substrates
Except for stainless steel, non-ferrous substrates (aluminum, special alloys) are usually too soft to blast clean. They need to be either pre-primed with Aeroglaze 9924, Aeroglaze 9924V, or Aeroglaze 9947 wash primers.
If they are not pre-primed with one of the above primers, treat with either Aeroglaze 110 chromate-free, water-based pretreatment, or chromated pretreatments as follows:
1. Degrease if necessary with a detergent cleaner such as Mil-C-4361C. Rinse thoroughly with water.
2. Deoxidize surface using the phosphoric acid solution per Federal Test Standard 141 Method 2013.1,Table 2, or a deoxidizer such as Mil-C-38334. Rinse thoroughly with water.
3. Treat surface with Aeroglaze 110 chromate-free, water-based pretreatment, or a chromated pretreatment such as Mil-C-5541/Mil-C-81706. Follow the procedure supplied by the chromate pretreatment manufacturer.
For further instructions, refer to the Aeroglaze 110 pretreatment technical bulletin.
For special alloys, adhesion tests are recommended to determine if Aeroglaze 9743 primer/tie-coat is a suitable primer. If it is not suitable, contact your SOCOMORE Representative for recommendations of other Aeroglaze primers and adhesion promoters.

AEROGLAZE®9743_P70691|PART A|AGSB Date : 12-09-2017

	Aeroglaze 9743A	Aeroglaze 9700B	Mixed A&B
Color	Red	Clear Amber	Red
Solids Content ASTM D 2369-87 modified	74.0% by weight 57.7% by volume	80.3% by weight 77.8% by volume	75.2% by weight 62.7% by volume
Density ASTM D1475-85	1.43 kg/liter 11.97 lb/gallon	0.91 kg/liter 7.6 lb/gallon	1.31 kg/liter 10.9 lb/gallon
Viscosity ASTM D1200 #4 Ford cup @ 25°C (77°F)	30 seconds maximum	61 seconds	40 seconds maximum
Flash Point ASTM D 3278-82 Setaflash, Closed Cup	21.7°C 72°F	26.3°C 95°F	-
Volatile Organic Content (VOC) ASTM D 3960-89	- g/liter 3.11 lb/gallon	180 g/liter 1.50 lb/gallon	- g/liter 2.71 lb/gallon
Theoretical Coverage ft2/gallon/mil	-	-	1,005.7
Coating Film Dry Weight	-	-	3.70 gm/ft2/mil 0.0082 lb/ft2/mil
Shelf Life**	Six months	Six months	-

*Not to be used for specification purposes.
**From date of shipment, unopened container, storage at 21°C-27°C (70°F-80°F).

PRECAUTIONS FOR USE AND STORAGE

Four-hour workable pot life at 25°C (77°F). Mix only enough to be used in a four-hour period for ease of application and reduced waste. Maximum cure time before topcoating is 18 hours.

Before using this or any other SOCOMORE product refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in residential applications. Not for consumer use.

Manufactured for SOCOMORE by: LORD Corporation, Saegertown, PA

socomore

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **AEROGLAZE 9743A**
Product Use/Class: **Epoxy Primer, Part A**

Supplier:
Socomore
791 Westport Parkway
Fort Worth, TX 76177
Telephone: 817-335-1826

Chemtrec 24 Hr Transportation Emergency No.
800 424-9300 (Outside Continental U.S. 703 527-3887)

Manufacturer:
LORD Corporation
111 LORD Drive
Cary, NC 27511-7923 USA

EFFECTIVE DATE: 09/29/2016

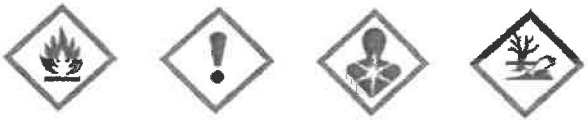
2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids Category 2
Acute toxicity Inhalation - Dust and Mist Category 4 - 40.0% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
Specific target organ systemic toxicity (single exposure) Category 2 Lungs
Specific target organ systemic toxicity (single exposure) Category 3
Specific target organ systemic toxicity (single exposure) Category 1 Central nervous system
Hazardous to the aquatic environment - acute hazard Category 3
Hazardous to the aquatic environment - chronic hazard Category 2

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

DANGER

Hazard Statements

Highly flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause damage to organs.(Lungs)
May cause drowsiness or dizziness.
May cause respiratory irritation.

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog
UNSUITABLE EXTINGUISHING MEDIA: Not determined for this product.

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Contain and remove with inert absorbent material.

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE: Do not store or use near heat, sparks, or open flame. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use. Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Chemical Name	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	Skin

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Epoxy resin	Oral LD50: Rat 11,400 mg/kg
N-Butyl acetate	Oral LD50: Rat 10,768 mg/kg Dermal LD50: Rabbit > 17,600 mg/kg Inhalation LC50: Rat 390 ppm/4 h Inhalation LC50: rat 22 mg/l /4 h

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Epoxy resin	N.D.
N-Butyl acetate	Fish: Lepomis macrochirus 100 mg/l96 h Static Pimephales promelas 17 - 19 mg/l96 h flow-through Plants: Desmodesmus subspicatus 674.7 mg/l72 h

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name:	Paint
DOT Hazard Class:	3
SECONDARY HAZARD:	None
DOT UN/NA Number:	1263
Packing Group:	II
Emergency Response Guide Number:	128

IATA Cargo

PROPER SHIPPING NAME:	Paint
DOT Hazard Class:	3
HAZARD CLASS:	None