



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** SC6900 A  
**Version #** 01  
**Revision date** 01-20-2011  
**CAS #** Mixture  
**Manufacturer** Ergon Armor  
**Division** Memphis  
**Address** PO Box 1639  
Jackson, MS 39215-1639  
**Contact Name** Mary Ellen Snow  
**E-Mail** mary.snow@ergon.com  
**Hours of Operation** 8:00AM - 5:00PM  
**ERGON General Assistance** 1 (800) 222 7122  
**CHEMTREC** North America 1 (800) 424 9300 International 1 (703) 527 3887

## 2. Hazards Identification

**Emergency overview** Prolonged exposure may cause chronic effects.  
**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).  
**Potential health effects**  
**Eyes** Avoid contact with eyes.  
**Skin** Avoid contact with the skin.  
**Inhalation** May cause cancer by inhalation. Avoid breathing dust/fume/gas/mist/vapors/spray.  
**Ingestion** Do not ingest.  
**Potential environmental effects** Ecological injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
1,3-DIGLYCIDYLOXYBENZENE	101-90-6	20 - 40
Non-hazardous components	CAS #	Percent
DIMETHYL SILICONE POLYMER WITH SILICA, MINIMUM MOLECULAR WEIGHT (IN AMU), 1,100,000	67762-90-7	0 - 10
1,1',1''-Tris-(p-hydroxyphenol) ethane glycidyl ether	87093-13-8	40 - 60
Other components below reportable levels		0.0001 - 10

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

**Skin contact** For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if symptoms occur.

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if symptoms occur.

**Ingestion**

Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If ingestion of a large amount does occur, call a poison control center immediately.

**Notes to physician**

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General advice**

IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**5. Fire Fighting Measures****Extinguishing media****Suitable extinguishing media**

Dry powder. Carbon dioxide (CO2). Do not use water as an extinguisher. Alcohol foam.

**6. Accidental Release Measures****Personal precautions**

Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Methods for containment**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for cleaning up**

Large Spills: Do not get water on spilled substance or inside containers. Dike far ahead of spill for later disposal. Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

Small Spills: Clean surface thoroughly to remove residual contamination. Absorb spill with vermiculite or other inert material.

Never return spills in original containers for re-use.

**7. Handling and Storage****Handling**

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment.

**Storage**

Keep away from heat, sparks and open flame. Keep container tightly closed. Keep container dry. Never allow product to get in contact with water during storage. Store in a building without sprinklers. Keep out of the reach of children.

**8. Exposure Controls / Personal Protection****Personal protective equipment****Eye / face protection**

Chemical goggles are recommended.

**Skin protection**

Wear protective gloves.

**Respiratory protection**

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**General hygiene considerations**

Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical & Chemical Properties****Appearance**

Not available.

**Color**

Not available.

**Odor**

Not available.

**Odor threshold**

Not available.

**Physical state**

Liquid.

**Form**

Liquid.

**pH**

Not available.

**Melting point**

Not available.

<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Contact with incompatible materials.
<b>Incompatible materials</b>	Peroxides. Fluoride. Strong acids, alkalis and oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

#### Product

SC6900 A (Mixture)

#### Test Results

Acute Oral LD50 Mouse: 2649 mg/kg estimated  
 Acute Oral LD50 Rabbit: 3351 mg/kg estimated  
 Acute Oral LD50 Rat: 6.9459 g/kg estimated  
 Acute Other LD50 Mouse: 0.6568 g/kg estimated  
 Acute Other LD50 Rabbit: 3.3514 g/kg estimated

#### Components

1,3-DIGLYCIDYLOXYBENZENE (101-90-6)

#### Test Results

Acute Oral LD50 Mouse: 980 mg/kg  
 Acute Oral LD50 Rabbit: 1240 mg/kg  
 Acute Oral LD50 Rat: 2.57 g/kg  
 Acute Other LD50 Mouse: 0.243 g/kg  
 Acute Other LD50 Rabbit: 1.24 g/kg  
 Acute Other LD50 Rat: 0.178 g/kg

\* Estimates for product may be based on additional component data not shown.

<b>Chronic effects</b>	Hazardous by OSHA criteria. Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	Hazardous by OSHA criteria. Risk of cancer cannot be excluded with prolonged exposure.

## 12. Ecological Information

<b>Ecotoxicity</b>	This product has no known eco-toxicological effects.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Waste codes</b>	D003: Waste Reactive material
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**Disposal instructions** Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) 0.1 %

### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) Listed.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - Yes

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) Listed.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) Listed: July 1, 1989 Carcinogenic.

### US - New Jersey Community RTK (EHS Survey): Reportable threshold

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) 500 LBS

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 1  
Flammability: 0  
Physical hazard: 2

**NFPA ratings**

Health: 1  
Flammability: 0  
Instability: 0  
Special hazards: W

**Issue date**

01-20-2011