

SAFETY DATA SHEET

Date of Issue:

01/01/2020



AEROCEL® SHEET & ROLL WITH PSA

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product:	Closed Cell Elastomeric Thermal Insulation Sheet and Roll with Pressure sensitive adhesive
Trade Name:	AeroceI®
Manufacturer/Supplier:	Aeroflex USA, Inc. 282 Industrial Park Road, Sweetwater, TN 37874
Telephone Number:	Toll Free 866-AEROCEL (237-6235)
Emergency Telephone Number:	ChemTel, Inc. 1-800-255-3924 (North America) +1-813-248-0585 (International)

2. HAZARD IDENTIFICATION

Inhalation

No significant signs of any adverse health hazard are expected to occur as a result of inhalation exposure

Eye Contact

No significant signs of any adverse health hazards are expected to occur as a result of eye contact

Ingestion

Practically non-toxic

Skin Contact

No Significant signs of any adverse health hazards are expected to occur as a result of skin contact

3. COMPOSITION/INFORMATION ON INGREDIENTS

Health Hazardous Components

Elastomeric thermal insulation is an expanded, closed cell, cross-linked rubber compound. Pressure sensitive coating is a synthetic rubber based adhesive with a paper release liner and is classified as an article which is not hazardous as defined by OSHA (29 CFR 1910.1200).

Following are the main ingredients in this product:

Rubber

Synthetic rubber (EPDM: Ethylene-Propylene-Terpolymer Rubber) CAS No. 25038-36-2

Aluminum Trihydrate CAS No. 21645-51-2

Carbon Black CAS No. 1333-86-4

Pressure Sensitive Adhesive

Adhesive Polyacrylic

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4. FIRST AID MEASURES

Inhalation	Not required under normal use. If irritation persists, remove from exposure area
Eye Contact	No required under normal use. Flush with water until all traces of the material are done. Seek medical attention if irritation persists
Ingestion	If illness or adverse symptoms develop, obtain medical attention
Skin Contact	Not required under normal use

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Carbon Dioxide, ABC dry chemical, Water spray and foam

Specific Hazards with regard to Fire-Fighting measures

Approach from upwind side. Avoid breathing smoke, fumes or vapors on downwind side.

Firefighters wear protective clothing, especially eye protection, and self contained breathing apparatus

Hazardous Combustion Products

Material is stable under normal conditions. In the event of a prolonged fire, may generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid.

6. ACCIDENTAL RELEASE MEASURES

If materials released/Spill

Land Spill	Collect spilled material and place it in an appropriate container for reuse or disposal
Water Spill	Product is insoluble. Collect spilled material and place in an appropriate container for reuse or disposal
Neutralizing Agent	Negligible

7. HANDLING AND STORAGE

Handling Condition	No special precaution required
Storage Condition	Keep in dry normal storage

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls	General ventilation
Personal Protection	Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Expanded Foam Rubber
Specific Gravity (H₂O=1)	0.04-0.06
Service Temperature	-297°F to 257°F (-182°C to +125°C)
Thermal Conductivity	0.245 BTU.in/ft ² .hr.°F at Mean temp 75°F

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9. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

Water Absorption	0.2% by volume Max
Water Vapor Permeability	0.03 Perm-inch (4.35 x 10 ⁻¹¹ g/Pa.m.s)
Weather and UV resistance	Minimal Cracking
Flammability	Self-extinguishing

10. STABILITY AND REACTIVITY

Stability and Reaction	Stable
Conditions to avoid	Negligible
Hazardous Decomposition Product	May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid
Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No Data

13. DISPOSAL CONSIDERATION

Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet federal, state, and local environmental regulation.

14. TRANSPORT INFORMATION

No Data

15. REGULATORY INFORMATION

No Data

16. OTHER INFORMATION

The information supplied herein is related to material specified and may not be valid if used in combination with other material or process. Further the information contained here is believed to be reliable and based on correct state of our knowledge. However no guarantees of any kind can be give as to its accuracy.

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Sanitizer Spray

Emergency: (800) 424-9300



7918 Industrial Village Road
Greensboro, NC 27409
1.800.537.1077

Section 1. Identification

Supplier's Name: AllShield, a division of Horizon Tool, Inc.
Address: 7918 Industrial Village Rd., Greensboro, NC 27409 **Phone:** (336) 299-4182
Product Name: Sanitizer Spray
SDS Formula: 8060
Date Prepared/Updated: 3/27/2020
Preparer's Name: Adam Key
Product Use: For cleaning and sanitizing hands and other surfaces.
For external use only.

Section 2. Hazards Identification

GHS Label Elements - Hazard Pictograms



Precautionary and Hazard Statements:

Signal Word: No word required

GHS Hazard Classification: Flammable Liquids (Category 2); Eye Irritation/damage (Category 2A)

Health Hazards: Highly flammable liquid and vapor; Causes serious eye damage

Section 3. Composition and Ingredients

Hazard Components

CAS No.	Chemical Name	Ceiling	OSHA STEL	OSHA PEL	ACGIH TLV	LD50	% MAX
64-17-5	Ethanol			1000	1000	no	80-85
67-63-0	Isopropanol	NA	500 ppm	400 ppm	400 ppm	N/A	0.5-1

Notes: All other components do not contribute to the GHS hazard classification.

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Section 4. First Aid Measures

Signs and Symptoms of Exposure

Inhalation: Potential for exposure by inhalation if aerosols or mists are generated. If these conditions exist, there may be irritation to the mucous membranes, throat and respiratory tract.

Skin: No adverse symptoms are expected with skin contact. However, prolonged or excessively repeated contact may cause dryness with possible irritation.

Ingestion: May cause irritation to the gastrointestinal tract.

Eyes: Causes severe irritaton to the eyes.

Medical Conditions Generally Aggravated by Exposure:

None known.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer CPR. GET MEDICAL ATTENTION.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and footwear. If irritation develops or persists, seek medical attention. Do not reuse clothing before laundering.

Ingestion: Immediately contact poison control center or see a physician.. Do not induce vomiting without medical advice. Never give anything by mouth to an unconsciuous person.

Eyes: Flush eyes with plenty of water for at least 15 minutes while holding the lids open. Remove contact lenses if easy to do.Continue to flush eyes. If irritation develops or persists, seek medical attention.

Section 5. Fire Fighting Procedures

Flash Point: 13°C, 55.4°F

Flammability Limits: No data available.

Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

Firefighting Procedures: Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray..

Fire or Explosion Hazards: Flash back possible over considerable distance. NFPA Class 1B flammable liquid.

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Section 6. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled

Small Spills: No data available.

Large Spills: Evacuate personnel to safe areas. Remove all sources of ignition. Contain spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local, state and federal regulations. Do not flush into surface water or sanitary sewer systems.

Wasted Disposal Method: Dispose of in accordance with all local, state, and federal regulations.

Section 7. Handling and Storage

Precautions for Handling and Storing: Ensure all equipment is electrically grounded before beginning transfer operations. Store in a cool dry place. Keep container cover closed when not in use.

Other Precautions: Store in ambient temperature and pressure.

Section 8. Control Measures

Respiratory: Avoid breathing mists or heated vapors of this product. If appropriate testing indicates the need for respiratory protection, use only NIOSH/MSHA approved devices and appropriate cartridges. Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors.

Ventilation: No Local Exhaust: No Forced Exhaust: No

Protective Gloves: Chemical resistant gloves with appropriate permeation rate. Butyl rubber, PVC or neoprene.

Eye Protection: Safety goggles or face shield as appropriate.

Protective Clothing Equipment: If there is a high potential for splashing or employee contact, wear chemical protective clothing or apron.

Work Hygienic Practices: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Never eat, smoke, or drink in the work area. Always wash your hands after handling any chemical.

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Section 9. Physical/Chemical Characteristics

Specific Gravity:	No data available	Boiling Point:	No data available
Vapor Pressure:	No data available	Melting Point:	No data available
Vapo Density:	No data available	Evaporation Rate:	No data available
Percent Volatile:	No data available	pH Factor:	No data available
Solubility In Water:	Slightly soluble	Odor:	Mild
Appearance:	Cloudy to clear liquid		

Section 10. Stability and Reactivity

Reactivity: Not a reactive product by nature.

Chemical Stability: Stable at normal ambient temperature and pressure.

Possible Hazards: None known.

Conditions to Avoid: Keep away from heat and sources of ignition.

Incompatible Materials: Can react with strong oxidizers, inorganic salts and halogens.

Hazardous Decomposition: No decomposition if stored and applied as directed. Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

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Section 11. Toxicological Information

Routes of Entry

Inhalation: If aerosol or mists are formed, may be irritating to the respiratory tract.

Skin: No adverse effects are expected with skin contact.

Ingestion: May cause irritation to the gastrointestinal tract.

Eyes: Severe irritation

Health Hazards (Acute and Chronic) May cause eye irritation.

Carcinogenicity

NTP?: No

IARC Monographs?: No

OSHA Regulated?: Not as a carcinogen

Acute Toxicity

Oral: Ethanol LD50 Rabbit >2,000 mg/kg OECD 402

Dermal: No data available

Inhalation: Ethanol LC50 Mouse (4 hours) >20 mg/L

Likely Routes of Exposure: Causes severe eye irritation.

Developmental Effects: No data available

Eye Damage/Eye Irritation: Rabbit OECD 405 Ethanol = Irritating

Skin Corrosion/Irritation: Rabbit OECD 404 Ethanol = Not irritating

Respiratory or Skin Sensitization: Ethanol Guinea Pig Maximisation Test = Not sensitizing

Repeated Dose Toxicity: No data available

CMR Assessment

Carcinogenicity: No carcinogenic material.

Mutagenicity: No data available

Teratogenicity: No data available

Carcinogenicity: No carcinogenic material.

Specific Target Organ Toxicity-Single No data available

Specific Target Organ Toxicity-Repeated No data available

Aspiration Hazard: No data available

Other Information: n/a

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Sections 12. Ecological Information

Toxicity Conclusion and Data

Ethanol: LC50 (Pimephales promless (fathead minnow)) 96 hours = >100 mg/L flow through test.
Ethanol: EC50 (Ceriodaphnia Dubia (water flea)) 48 hours = >100 mg/L static test
Ethanol EC50 (Chlorella Vulgaris) 72 hours = >100 mg/L static test OECD201

Biodegradability: Ethanol: Readily biodegradable per OECD 301B (28 day) = >60%

Mobility In Soil

SoilWater: No data available

AdverseEffects: n/a

Section 13. Disposal Considerations

Disposal Methods: Dispose of in accordance with all local, state, and federal regulations.

D001 - Ignitability (RQ 100 LB). This product has the RCRA characteristics of ignitability.

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Section 14. Transport Information

DOT Classification

UN Number: UN1170
Proper Shipping Name: Ethanol Solutions
Hazard Class: 3
Packing Group: II
Environmental Hazard: N/A
Additional Information:

IMDG Classification

IMDG UN Number: UN1170
IMDG Proper Shipping Name: Ethanol Solutions
IMDG Hazard Class: 3
IMDG Packing Group: II
IMDG Environmental Hazard: N/A
IMDG Additional Information: Marine Pollutant

IATA Classification

IATA UN Number: UN1170
IATA Proper Shipping Name: Ethanol Solutions
IATA Hazard Class: 3
IATA Packing Group: II
IATA Environmental Hazard: N/A
IATA Additional Information:

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Section 15. Regulatory Information

Reporting Requirements: All components are listed in the US EPA TSCA Inventory
SARA Section 313:2-Propanol 67-63-0 0.5-1%
SARA Section 311/312 Hazard Classification: Acute, Fire hazard
CERCLA RQ: Not Listed
Clean Air Act Section 112: No components listed

Does this product contain any EHS? No

References:

USRegulation: No specific OSHA standards for the components of this product.

StateRegulation: Not listed under California Prop 65

IntRegulation: Components are listed/registered in the following countries: Europe (EINE/ELINCS), USA (TSCA), Canada (DSL), Australia (AICS), Japan (MITI), Korea (TCCL), Phillipines (PICCS), China, and New Zealand

Section 16. Other Information

HMIS Ratings

Health: **2**

Flammability: **3**

Reactivity: **0**

Personal Protection: **B**

ReaderNotice: This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must take their own determinations to its suitability for their purposes. Horizon Tool, Incorporated expressly disclaims any representations and warranties of any kind as to the accuracy, completeness, non-infringement, or merchantability with respect to any information and recommendations provided.

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