




# CONDUCTIVE FLUROSILICONE ELASTOMER 5751

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Detail : 5751 Conductive fluorosilicone elastomer  
 Application of the substance / the preparation: Gasket material  
 Manufacturer / supplier: Holland Shielding Systems B.V.  
 Jacobus Lipsweg 124  
 3316 BP Dordrecht  
 the Netherlands  
 Ph: +31(0)78- 204 90 00  
 Fax: +31(0)78- 204 90 08  
 www.hollandshielding.com  
 info@hollandshielding.com

## 2. HAZARDS IDENTIFICATION

Classification of material	Acute toxicity, oral category 4 Acute toxicity, inhalation category 3
Signal word	Warning
Hazard statement(s)	Harmful if swallowed. Toxic if inhaled
Symbol(s)	

	Precaution(s)
General	Not applicable
Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required
Response	if exposed or concerned: get medical attention
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	P501 dispose of contents and container in accordance with all local, regional, National and international regulations
Other hazards	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.
Unknown toxicity ingredients	None known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Silver aluminum filled fluorosilicone
Common name	5751

Components	CAS number approx	WT. %
Aluminum	7429-90-5	50-60
Silver	7440-22-4	10-20
Fluoropropylmethylvinylpolysiloxane	63148-56-1	20-40

## 4. FIRST AID MEASURES

	Necessary measures
Eyes	Rinse with plenty of water for 15 minutes
Skin	Wash well with soap and water
Ingestion	Drink a glass of water or milk and seek medical attention
Inhalation	Remove to fresh air

Revision date: 19-05-2015

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Symptoms, acute and delayed	
Eyes	May cause mild eye irritation
Skin	May cause mild irritation
Ingestion	May be harmful if swallowed
Inhalation	None known
Indication of medical attention and treatment needed	
Eyes	Irritation occurs
Skin	Irritation occurs
Ingestion	Irritation occurs
Inhalation	Irritation occurs
Notes to physician	None

## 5. FIREFIGHTING MEASURES

Suitable extinguishing material(s)	Powder. Dry sand.
Unsuitable extinguishing material(s)	Water. Do not use water jet as an extinguisher, as this will spread the fire. Carbon dioxide (CO <sub>2</sub> )
Nature of hazardous combustion products	Carbon monoxide Carbon dioxide Silicon dioxide Formaldehyde
Special protective equipment and precautions	Wear self-contained breathing apparatus and full protective equipment.
Other specific hazards	None

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	General cleanliness
Protective equipment	None
Emergency procedures	None. Clean area
Methods and materials for containment and clean up	Scrape, sweep, or gather up material and put in a container for disposal. Bury in a licensed landfill in accordance with federal, state and local Regulations.

## 7. HANDLING AND STORAGE

Precautions for safe handling	
Respiratory protection	None cloth or rubber gloves
Eyes and face	Safety glasses
Gloves	None cloth or rubber gloves
Engineering controls	None
Conditions for safe storage	Store at ambient temperatures, preferably 65°-85° F
Incompatibilities	None

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA permissible exposure limit			
Component	Type	Value	Form
Aluminum	pel	5mg/m <sup>3</sup>	Respirable dust
	Pel	15 mg/m <sup>3</sup>	Total dust
Silver	pel	0.01mg/m <sup>3</sup>	Dust and fume
Engineering controls	Exhaust ventilation during cure.		



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Individual protection measures, equipment	
Eyes and face	Safety glasses
Gloves	Cloth or rubber
Respiratory protection	None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Tan solid
Odor	Essentially odorless
Odor threshold	Not available
Ph	Not available
Melting point	Not available
Freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	<1
Flamability (solid, gas)	Not available
Upper flammability limit	Not available
Lower flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	~2000
Solubility(ies)	Insoluble in water. Somewhat soluble in toluene.
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

## 10. STABILITY AND REACTIVITY

Reactivity	Low
Chemical stability	High
Stabilizers present	None
Possibility of hazardous reactions	Low
Conditions to avoid (static, vibration)	None
Incompatible materials	Ammonia. Fluorine. Chlorine
Hazardous decomposition products	None
Visual evidence of decomposition	None

## 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure	
Ingestion	Harmful if swallowed
Symptoms related to physical, chemical and toxicological characteristics	Irritation
Delayed and immediate effects	None

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Numerical measures of toxicities			
Component		Species	Result
Aluminum	Acute oral Ic50	Rat	>0.888
Silver	Acute dermal	Id50	Rat
	Acute	Oral Id50	Rat

## Information about carcinogenicity

This product or one of its ingredients present 0.1% Or more is not listed as a carcinogen or suspected carcinogen by ntp, iarc, or osha.

## 12. ECOLOGICAL INFORMATION

Eco toxicity	Unknown
Persistence and degradability	Unknown
Bio accumulative potential	Unknown
Mobility in soil	Unknown
Other hazards	None known

## 13. DISPOSAL CONSIDERATIONS

Waste residues	None known
Safe methods of disposal	Bury in licensed landfill in accordance with federal, state and local regulations.

This product as solid is not a hazardous waste according to 40 cfr 261.  
Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

Un number	None
Un proper shipping names	None
Cfr	None
Tdg	None
Iata	None
Transport hazard classes	Not dot regulated
Hmis	Flammability 1 reactivity 0 health 1
Nfpa	Flammability 1 reactivity 0 health 1
Packing group	Not dot regulated
Enviornmental hazards	None known
Transport in bulk	None
Special precautions	None

## 15. REGULATORY INFORMATION

Dot shipping name	Not dot regulated.
Dot hazard class	None
Dot label(s)	None
Un/na number	None Not regulated by IATA
Us federal regulations	
Sara hazard class (section 311, 312)	None
Sara section 302	None
TSCA	All ingredients in this material are on the TSCA inventory

## 16. OTHER INFORMATION

Date of preparation of the SDS 05-19-2015