

Material Safety Data Sheet / 01 A316 Expanded EPDM MSDS



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

1 - Identification of Substance / Preparation Product Code:

Product Code	A320
Manufacturer/Supplier	Advanced Seals & Gaskets Ltd
Address	Polymer Works
Phone Number	+44 (0) 1384 252555
Fax Number	+44 (0) 1384 252373

2 - Composition / Information on Ingredients:

This chemical product is a preparation	A compounded and cross-linked synthetic polymers, Ethylene Propylene Diene Modified (EPDM) and Polychloroprene rubber with inert fillers and processing additives
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3 - Hazards Identification:

Critical Hazard	Symbol- NONE R Phase- NONE. No significant hazards
Main Hazard	Skin Contact – Material may cause irritation on prolonged or repeated contact

4 - First Aid Measures:

First Aid – Eyes	Wash eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if ill effect or irritation develops.
First Aid – Skin	Wash off with soap and plenty of water.
First Aid – Ingestion	Wash out mouth with water.
First Aid – Inhalation	Move to fresh air in case of accidental inhalation of dust and fumes of dust or fumes from overheating or combustion. Consult a physician after significant exposure.

5 - Fire Fighting Measures:

Extinguishing Media	Use water spray, foam, dry chemical. Keep packaging and surroundings cool with water spray.
Specific Hazards	
Solid	Treat the material as a solid that can burn
Combustion Products	CO, CO ₂ , H ₂ O, Hydrogen Chloride, Sulphur dioxide, low molecular weight products various hydrocarbons, aldehydes, alcohol' s, dense black smoke
Protection of Fire Fighters	Full emergency equipment with self-contained breathing apparatus should be worn to protect fire fighters from any hazardous decomposition or combustion products.

6 - Accidental Release Measures:

Personal Precautions	Prevent release of dust during grinding by use of filters. Protect skin, eyes and hands (see section 8)
Environmental Precautions	For disposal considerations (see section 12)
Cleaning Up Methods	Use suitable industrial vacuum cleaners to suck up crumbs of dust. Shovel or sweep up spilt material. Avoid generation of dust clouds. Put into containers for reclaiming or disposal.

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7a - Handling

General Precautions	Avoid contact with hot materials.
Personal Protection	For information on personal protection when handling see section 8.
Hygienic Precautions	Adequate washing facilities with supplies of mild soap and hand cleaner should be available at all working locations. Smoking, eating and drinking in working and storage areas should be prohibited.
Ventilation: General Mechanical	A power ventilation system should be installed where blocks or sheets are being ground.
Prevention of dust generation	When handling blocks dust will not normally occur. During grinding dust can be generated. The use of an approved dust mask is advised.
Filtering	Take the utmost care to prevent dust explosion and apply proper local grounding wherever powdered material is present.

7b - Storage:

Storage Accommodation	The storage area should be clean, dry and properly ventilated.
Temperature	The storage area should preferably be between 10°C and 30°C

8 - Exposure Controls / Personal Protection:

Respiratory Protection	Not applicable under normal considerations.
Hand Protection	Protective gloves are recommended during handling.
Eye Protection	Safety glasses are recommended if dust is generated from grinding.
Skin and Body Protection	Not applicable.

9 - Physical and Chemical Properties:

Physical State	Cellular Material
Form	Blocks or Sheets
Colour	Black, Grey ,White
Odour	
pH Value	n/a
Relative Density	80 – 170kg/m ²
Melting Point / Range	n/a
Softening Point / Range	n/a
Viscosity	n/a
Boiling Point / Range	n/a
Vapour Pressure	n/a
Vapour Density	n/a
Evaporation Rate	n/a
Solubility in water	Insoluble
Volume Conductivity	Low, danger of static charges.
Ignition Temperature	>300°C
Flash Point	>300°C

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Dust Explosive Properties	Dust explosion is possible if material is ground into fine dust.
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10 - Stability and Reactivity:

Dust Formation	Dust formation is unlikely to occur. During grinding of the blocks dust explosion danger can arise when small particles are formed.
Electrostatic Charging	Whenever small particles are transported, (pneumatic transport systems, ventilation systems, etc.) apply proper local grounding to prevent build-up of static electricity.
Gas / Vapour Air Mixtures	n/a
Processing Temperatures	Do not exceed 100°C. Long term high temperatures (300°C) will cause degradation of the material with chances of ignition.
Long Term Exposure	No special precautions are necessary.
Materials To Avoid	n/a
Hazardous Decomposition Products	On thermal degradation (above 300°C) reaction products of Section 5 can be formed.
	Although highly dependant on temperature and environmental conditions, a variety of decomposition products may be present, ranging from simple hydrocarbons
	(e.g. Methane, Ethane, Propane) and alcohol's to toxic and/or irritating gases (e.g. Carbon Monoxide, Carbon Dioxides, Acids, Ketones, Aldehydes).
Changes In Physical Appearance	Degradation will occur only at extreme temperatures (above the decomposition temperature).

11 - Toxicological Information:

Acute toxicity	None Known
Local Effects	None Known
Chronic Short and Long Term Toxicity	None Known
Sensitisation	None Known
Specific Effects (carcinogenicity, mutagenicity, teratogenicity, narcosis)	None Known

12 - Ecological Information:

Mobility	No data available
Persistence / Degradability	Not biodegradable
Bioaccumulation	No data available
Ecotoxicity	There is no sign that this material is a risk to the environment
Aquatic Toxicity	This material is insoluble in water

13 - Disposal Considerations:

14 - Transport Information:

The disposal of this material presents no toxic or ecological hazard. It can be burnt under controlled conditions or be disposed of in landfills, or be recycled, all according to local legislation	
UK Transport Information	Not Classified

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ADR/RID – Class	Not Classified
IMDG – Class	Not Classified
IATA – Class	Not Classified

15 - Regulatory Information:

Labelling	No labelling required under EC-Directive 88/379/EEC 93/21 Annex VI
EEC Classification	Not a dangerous preparation
Notes	Additional national legislation relevant to this matter may be in force

16 - Other Information:

This data sheet was prepared in accordance with Directive 93/112/EC (91/155/EEC) This material is not recommended for use in contact with foodstuffs.	
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Change Control Date	Change
26/07/2018	Created



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