

GAS STRUT DATA SHEET

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SECTION 1 - PRODUCTION IDENTIFICATION

Product:	Gas Struts
Part Numbers / Description:	All part numbers and designs.
Materials:	Mild steel tube with a nitride plated piston rod.
Operating temperature range:	-30°C to +80°C.
Standards:	ISO 9001:2000. Certificate No. 1044

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name:	% by weight
Hexavalent Chromium *	<2
Zinc *	<3
Cadmium *	<0.0001
Lead *	<0.05

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SECTION 3 - PROPERTIES

Physical Data of Gas

Boiling point:	-196 °C
Solubility in water:	20mg/L
Relative density (Gas):	0.97 (Air = 1)
Appearance and odour:	Colourless, odourless gas.

Physical Data of Oil

Boiling point:	-196 °C
Solubility in water:	20mg/L
Relative density (Gas):	0.97 (Air = 1)
Appearance and odour:	Colourless, odourless gas.

Physical Data of Rubber

Specific Gravity:	1.31
Solubility in water:	Negligible
Appearance and Odour:	Black material with solid appearance and characteristic odour.

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SECTION 4 - FIRE AND EXPLOSION DATA

Extinguishing Media:	All extinguishants allowed.
Special fire fighting procedures:	As in any fire, self-contained breathing apparatus should be used.
Unusual Hazards:	Small quantities of irritating and/or toxic or asphyxiant gases may be released during a fire. Sources of these gases are in very small quantities in each gas strut.
Conditions under which ignition will occur:	Exposure to fire may cause containers to rupture or explode. Non-flammable.

SECTION 5 - HEALTH HAZARD DATA

Effect of overexposure:	None known at ambient temperature.
Emergency first aid procedures:	Not applicable.

SECTION 6 - REACTIVITY DATA

Stability:	Assembly is stable at room temperature.
Incompatibility:	None.
Hazardous decomposition:	None.
Hazardous polymerisation:	Rubber components may vulcanise at over 120°C.

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SECTION 7 - SPILL OR LEAK PROCEDURE

If material is released or spilled: If product is ruptured it may cause irritation to skin and eyes.

Skin contact: Wash with soap and water

Eye contact: Flush thoroughly with water

SECTION 8 - PERSONAL PROTECTION

Respiratory: Ambient Air

Ventilation: Local

Eye protection: Not required

Gloves: Not required

Other equipment: None

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SECTION 9 - PRECAUTIONS AND DISPOSAL

Handling and storage information:	Do not dent or pierce the spring. Store in a cool, dry, ventilated area preferably with the rod down.
Other precautions:	None
Disposal:	This material is considered to be recyclable. Dispose according to local regulations.

SECTION 9 - LABELLING INFORMATION

Gas strut must show label stating:	
Caution: Pressurised, Do not heat or open.	
IATA Transportation Information:	
Shipping Name:	Nitrogen, compressed
IATA packing group:	Non-flammable gas
Disposal:	200
Labels required:	Air shipment, UN1066

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