

# MDS Report

## Substances of assemblies and materials

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### 1. Company and Product Name

#### 1.1 Supplier Data

Name [ID]: **STABILUS GmbH [833]**  
DUNS Number: **31-500-5777**  
Street/Postal Code: **Wallsheimer Weg 100**  
Nat./ZipCode/City: **DE 56070 Koblenz**  
Supplier Code: **-**  
Contact Person: **Cristina Marina Honcu (Toader)**  
- Phone: **++40 372 686 718**  
- Fax No.: **++40 372 686 460**  
- E-Mail Address: **choncu@ro.stabilus.com**

#### 1.2 Product Identification

Part/Item No.: **256475**  
Description: **Gas spring 256475**  
Report No.: **-**  
Date of Report: **-**  
Purchase Order No.: **-**  
Bill of Delivery No.: **-**  
Preliminary MDS: **No**  
IMDS ID / Version: **624586144 / 0.01**  
Node ID: **624586144**  
MDS Status (Change Date): **Edit mode (11/11/2016)**

# MDS Report

## Substances of assemblies and materials

Materials which are subject to legal prohibitions must not be included!  
 Dangerous substances formed or released during use must also be declared  
 Please note: GADSL list for substances that require declaration

### 2. Characterization of the Component

Part/Item No.: **256475**  
 Description: **Gas spring 256475**

Report No.: **-**  
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 Node ID: **624586144**

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
1	Gas spring 256475	256475	624586144 / 0.01		207				
└2	Nitrogen			1	2.131				
└3	Nitrogen		1873800 / 1		2.131			9.8	
└4	Nitrogen	7727-37-9				100			
└2	Oil			1	1.744				

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└3	Lubricant oil	011681	4440993 / 5		1.744			9.2	
└4	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, contg. solvent deasphalted residual oil	72623-84-8				96			
└4	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3				0.5			
└4	2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar',ar''-Me...	92257-31-3				0.01			
└4	Further Additives, not to declare	system				3.49			
└2	Piston Rod Assy			1	73.801				
└3	piston package_08/10_16_LOM_2		13260053 / 7	1	4.962				
└4	piston_1			1	0.41				Not Applicable
└5	POM		1622191 / 4		0.41			5.1.b	No
└6	Polyoximethylene	30846-29-8				98.25			
└6	Further Additives, not to declare	system				1	0.5 - 1.5		
└6	Pigment portion, not to declare	system				0.75	0 - 1.5		
└4	piston ring_13			1	0.112				Not Applicable
└5	PTFE + CF40		13253589 / 5		0.112			5.1.a	No
└6	Further Additives, not to declare	system				5			
└6	CF-Fibre	-				40			

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└6	PTFE	-				55			
└4	washer_1			1	1.788				
└5	DC01	1.0330	12375 / 2		1.788			1.1.1	No
└6	Carbon	7440-44-0				0.06	0 - 0.12		
└6	Manganese	7439-96-5				0.3	0 - 0.6		
└6	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└6	Sulphur	7704-34-9				0.0225	0 - 0.045		
└6	Iron	7439-89-6				99.595			
└4	washer_8			1	2.652				
└5	DC01	1.0330	12375 / 2		2.652			1.1.1	No
└6	Carbon	7440-44-0				0.06	0 - 0.12		
└6	Manganese	7439-96-5				0.3	0 - 0.6		
└6	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└6	Sulphur	7704-34-9				0.0225	0 - 0.045		
└6	Iron	7439-89-6				99.595			
└3	piston rod			1	68.839				
└4	piston rod			1	68.8				
└5	C35EC	1.1172	12843 / 2		68.8			1.1.1	No
└6	Carbon	7440-44-0				0.355	0.32 - 0.39		

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└6	Manganese	7439-96-5				0.65	0.5 - 0.8		
└6	Phosphorus	7723-14-0				0.0125	0 - 0.025		
└6	Sulphur	7704-34-9				0.0125	0 - 0.025		
└6	Silicon	7440-21-3				0.15	0 - 0.3		
└6	Iron	7439-89-6				98.695			
└6	Copper	7440-50-8				0.125	0 - 0.25	D	
└4	surface treatment			1	0.039				
└5	Nitro carburation layer		584248999 / 1		0.039			9.8	
└6	Carbon	7440-44-0				10			
└6	Nitrogen	7727-37-9				90			
└2	Tube Assembly			1	106.821				
└3	threaded stud		4432835 / 5	1	3.7				
└4	C10C	1.0214	12267 / 3		3.7			1.1.1	No
└5	Aluminium (metal)	7429-90-5				0.04	0.02 - 0.06		
└5	Carbon	7440-44-0				0.1	0.08 - 0.12		
└5	Manganese	7439-96-5				0.4	0.3 - 0.5		
└5	Phosphorus	7723-14-0				0.0125	0 - 0.025		
└5	Sulphur	7704-34-9				0.0125	0 - 0.025		
└5	Silicon	7440-21-3				0.05	0 - 0.1		

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└5	Iron	7439-89-6				99.385			
└3	tube assy			1	103.121				
└4	tube			1	100.331				
└5	E195	1.0034	12218 / 9		100.331			1.1.1	No
└6	Carbon	7440-44-0				0.075	0 - 0.15		
└6	Manganese	7439-96-5				0.35	0 - 0.7		
└6	Phosphorus	7723-14-0				0.0125	0 - 0.025		
└6	Sulphur	7704-34-9				0.0125	0 - 0.025		
└6	Silicon	7440-21-3				0.175	0 - 0.35		
└6	Iron	7439-89-6				99.3175			
└6	Aluminium (metal)	7429-90-5				0.0575	0.015 - 0.1		
└4	paint			1	2.79				
└5	Lacquer	5907WR	39454059 / 3		2.79			6.1	
└6	Polyester resin	-				40.36			
└6	Silicone resin	-				1.92			
└6	Benzothiazole-2-thiol	149-30-4				0.12		D / P	
└6	Benzoin	119-53-9				0.19			
└6	Carbon black	1333-86-4				1.15			
└6	Calcium-carbonate	471-34-1				9.62			

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└6	Aluminium oxide	1344-28-1				0.11			
└6	Barium sulphate	7727-43-7				6.93			
└6	Epoxy resin	-				39.6			
└2	seal package_08_16_LOM_2		4208831 / 24	1	4.195				
└3	piston rod seal			1	1.309				Not Applicable
└4	DC01	1.0330	12375 / 2		0.8			1.1.1	No
└5	Carbon	7440-44-0				0.06	0 - 0.12		
└5	Manganese	7439-96-5				0.3	0 - 0.6		
└5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└5	Sulphur	7704-34-9				0.0225	0 - 0.045		
└5	Iron	7439-89-6				99.595			
└4	NBR	gasket	17898973 / 4		0.509			5.3	No
└5	2-Propenenitrile, polymer with 1,3-butadiene	9003-18-3				51			
└5	Carbon black	1333-86-4				0.95			
└5	Further Additives, not to declare	system				1.45			
└5	Misc., not to declare	system				3			
└5	Silica, amorphous	112926-00-8				28.9			
└5	kaolinite	1318-74-7				3.9			
└5	Quartz (SiO2)	14808-60-7				8.4		D	

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└5	Illite	12173-60-3				0.95			
└5	Zinc oxide	1314-13-2				1.45		D / P	
└3	piston rod guide			1	1.505				Not Applicable
└4	PF-(GF40+GB20)		444878 / 9		1.505			5.4.3	No
└5	Phenol, polymer with formaldehyde	9003-35-4				35			
└5	Further Additives, not to declare	system				5			
└5	Glass spheres	-				20			
└5	GF-Fibre	-				40			
└3	oil cushin			1	1.281				Not Applicable
└4	PA66		710698 / 5		1.281			5.1.b	No
└5	PA66/610	-				96			
└5	Further Additives, not to declare	system				2.5	1.5 - 3.5		
└5	Carbon black	1333-86-4				1.5	0.5 - 2.5		
└3	grease			1	0.1				
└4	grease	338745	4182218 / 4		0.1			9.2	
└5	Polyethylene glycol	25322-68-3				91			
└5	Montmorillonite	1318-93-0				5			
└5	Further Additives, not to declare	system				4			
└2	protective cap_3		5069485 / 5	1	2.2				Yes



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└3	PE-HD		273664 / 5		2.2			5.1.b	No
└4	Further Additives, not to declare	system				1.5	1 - 2		
└4	Carbon black	1333-86-4				4.5	3 - 6		
└4	Polyethylene	9002-88-4				94			
└2	ball socket assy B		584229962 / 3	2	8.149				
└3	grease ball socket			1	0.03				
└4	grease	116564	4181535 / 6		0.03			9.2	
└5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1				87			Not applicable [40]
└5	Lithium 12-hydroxystearate	7620-77-1				11			
└5	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3				1			
└5	Further Additives, not to declare	system				1			
└3	ball socket B			1	6.715				Not Applicable
└4	PA66-GF30		584230274 / 1		6.715			5.1.a	No
└5	GF-Fibre	-				30			
└5	Further Additives, not to declare	system				1.25			
└5	Pigment portion, not to declare	system				1.25			
└5	Polyamid 6.6	32131-17-2				67.5			
└3	security clip_8			1	1.404				

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└4	65Mn (Quality carbon structural steel)		114466738 / 2		1.294			1.1.1	No
└5	Carbon	7440-44-0				0.66	0.62 - 0.7		
└5	Silicon	7440-21-3				0.27	0.17 - 0.37		
└5	Iron	7439-89-6				97.785			
└5	Manganese	7439-96-5				0.85	0.7 - 1		
└5	Chromium	7440-47-3				0.125	0 - 0.25		
└5	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
└5	Copper	7440-50-8				0.125	0 - 0.25	D	
└5	Phosphorus	7723-14-0				0.0175	0 - 0.035		
└5	Sulphur	7704-34-9				0.0175	0 - 0.035		
└4	Coating - Basecoat D21		98318412 / 4		0.055			7.3	
└5	Zinc (metal)	7440-66-6				77	72 - 82		
└5	Titanium-dioxide	13463-67-7				9	8 - 10		
└5	Silica-gel	63231-67-4				6	5 - 7		
└5	Misc., not to declare	system				8			
└4	Lacquer		164255875 / 2		0.055			6.1	
└5	Epoxy resin	-				44	41 - 47		
└5	PTFE	-				18	16 - 20		
└5	Manganese ferrite black spinel	68186-94-7				11	10 - 12		

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└5	Silicon dioxide	7631-86-9				10	9 - 11		
└5	Magnesium-oxide	1309-48-4				6	5 - 7		
└5	Aluminium hydroxide	21645-51-2				3	2 - 4		
└5	Misc., not to declare	system				8			

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