Safety Data Sheet

Section 1: Identification

Product identifier **All GM BT1XX part numbers**

Product Name • **Front / Rear Assy Air Spring LH/RH GM BT1XX**

Synonyms • Air spring – Strut Assembly

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Consult manufacturer for the recommended product use

Details of the supplier of the safety data sheet

Manufacturer • Vibracoustic de Mexico S.A. de C.V.

Boulevard Miguel Alemán N° 164 5-6
Parque Industrial Lerma
Lerma, Estado de Mexico
C.P. 52000

Telephone (General) • (+52) 722 548 1371

Emergency telephone number

Manufacturer • (+52) 722 548 1383

Section 2: Hazard Identification United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • In its manufactured and shipped state and under normal and expected conditions of use, the product is not expected to cause any acute or chronic health effects. The health effects listed below are for hydraulic fluid and dusts, mists, and particulate matter that may be generated if product is subjected to cutting, grinding, sanding and other abrasive work practices on the damper (Twin tube shock absorber) specifically.

Acute Toxicity Oral 4
Skin Irritation 2
Specific Target Organ Toxicity Repeated Exposure 1

Label elements OSHA

HCS 2012 DANGER

Hazard statements
- Harmful if swallowed
- Causes skin irritation
- Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention
- Do not breathe mist, vapors and/or spray. Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.

Response
- Wear protective gloves/protective clothing/eye protection/face protection.
- If on skin: Wash with plenty of water.
- Specific treatment, see supplemental first aid information. Take off contaminated clothing and wash before reuse.
- If skin irritation occurs: Get medical advice/attention.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage/Disposal
- Get medical advice/attention if you feel unwell.
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Supplemental information
- 2-2.5 percent of this product consists of an ingredient of unknown toxicity.

Other hazards

OSHA HCS 2012
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.
- To see the composition of the mixtures refer to the specific safety sheet of mono tube shock absorbers.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin • In case of contact with substance, immediately ~~flush skin with run~~ning water for at least 20 minutes. If irritation develops and persists, get medical attention.

Eye • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion • Do NOT induce vomiting. Obtain medical attention immediately if ingested.

Most important symptoms and effects, both acute and delayed

• Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures Extinguishing media

Suitable Extinguishing Media • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO_2, water spray or regular foam. **Unsuitable**

Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Containers may explode when heated.

Hazardous Combustion Products • No data available **Advice for firefighters**

• Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures Personal precautions, protective equipment and emergency procedures

Personal Precautions • Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures • Keep unauthorized personnel away. Stay upwind.

Environmental precautions

• Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

Section 7 - Handling and Storage Precautions for safe handling

Handling • Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage • Store intact units at ambient temperatures out of contact with the elements. Do not store product at temperatures above 50°C (122°F)

Section 8 - Exposure Controls/Personal Protection Control parameters Exposure controls

Engineering Measures/Controls • These are not required under normal and expected conditions of use. If operations or work practices will generate hydraulic fluid aerosols, mists, or vapors or produce metal or paint dusts, fumes, or particulate matter, local exhaust ventilation should be provided to maintain exposures below limits. Need for local exhaust ventilation should be evaluated by a professional industrial hygienist. A professional engineer should design local exhaust ventilation systems. **Personal Protective Equipment**

Respiratory	• Respiratory controls are not required under normal and expected conditions of use. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Eye/Face	• Wear protective eyewear (goggles, face shield, or safety glasses).
Hands	• These are not required under normal and expected conditions of use. Nitrile gloves are recommended if it is necessary to handle hydraulic fluid.
Skin/Body	• Wear appropriate gloves.
Environmental Exposure Controls	• Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
STEL = Short Term Exposure Limits are based on 15-minute exposures
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties For Information on Physical and Chemical Properties refer to MDS of mono tube shock absorbers

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use. **Chemical stability**
- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excess heat.

Incompatible materials

- Do not expose to strong acids or oxidizing agents.

Hazardous decomposition products

• When burned, hydraulic fluid may produce dense smoke, oxides of carbon, phosphorus and sulfur and low molecular weight organic species whose composition and toxicity have not been determined.

Section 11 - Toxicological Information

Information on toxicological effects (listed below are for hydraulic fluid and dusts, mists, related to mono tube shock absorbers).

Potential Health Effects Inhalation

Acute • High concentration of airborne hydraulic fluid aerosols, mists, or vapors may cause irritation of **(Immediate)** mouth, throat, mucous membranes, and respiratory tract.

Chronic (Delayed) • Repeated and prolonged exposure may cause damage to the lungs.

Skin

Acute (Immediate) • Causes skin irritation.

Chronic (Delayed) • No data available

Eye

Acute (Immediate) • No data available

Chronic (Delayed) • No data available

Ingestion

Acute (Immediate) • Harmful if swallowed.

Chronic (Delayed) • No data available

Carcinogenic Effects • Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

Section 12 - Ecological Information

Toxicity

- Non-mandatory section - information about this substance not compiled for this reason.

Persistence and degradability

- Non-mandatory section - information about this substance not compiled for this reason. **Bio accumulative potential**

- Non-mandatory section - information about this substance not compiled for this reason.

Mobility in Soil

- Non-mandatory section - information about this substance not compiled for this reason. **Other adverse effects**

- Non-mandatory section - information about this substance not compiled for this reason.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging • Dispose of content and/or container in accordance with local, regional, national, and/or international **waste** regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN 3164 UN 3156	Articles, pressurized, pneumatic containing non-flammable gas	2.2	Not Applicable	NDA
ICAO/IATANDA (Land)	UN 3164 UN 3156	Articles, pressurized, pneumatic containing non-flammable gas	2.2	Not Applicable	NDA
ICAO/IATA (Air)	UN 3164 UN 3156	Articles, pressurized, pneumatic containing non-flammable gas	2.2	208	NDA

For IATA classification see the Twin tube shock absorber (CDC) SDS (Attached)

Special precautions for user • None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Section 15 - Regulatory Information

Certification acc. to EU guidelines:

Hazardous substance regulations dated 26.10.1993 : Referring to damper oil

National regulations.

Classification acc. to Vbf : No

Tech. instructions - AIR (TA-Luft): Class 3

Water balance la	**w**	**WGK 2, water-hazard**
Employment rest	**Restrictions:**	**: None**
Incident regulation	**Restrictions :**	**-**

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic

Section 16 - Other Information

N/A