

# KYB Shock Absorber Monotube Numbers: 553605, 553606, 555610 Only

## Safety Data Sheet

According to the NOM-018-STPS-2015  
Issue date: 11/27/2023 Revision date: 11/27/2023 Version: 1.0

### SECTION 1: Identification of the hazardous chemical or mixture and of the supplier or manufacturer

#### 1.1. GHS product identifier

Product form : Article  
Product name : KYB Shock Absorber Monotube Numbers: 553605, 553606, 555610 Only  
Product code : Not available

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Automotive - Suspension systems.

#### 1.4. Supplier's details

KYB Americas Corporation  
850 North Graham Road Suite C  
Greenwood, IN 46143 - USA  
T (630) 620-5555

#### 1.5. Emergency phone number

Emergency number : 1-(800)-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS MX classification

This product as sold is classified as an "article" under NOM-018-STPS-2015, and as such is exempt from the requirement for classification. However, there is Shock Oil mixture and nitrogen gas sealed in the article that may present the following hazards if released:

Press. Gas (Comp.)	H280	Contains gas under pressure; may explode if heated.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

#### 2.2. Label elements

##### GHS MX labeling

This product as sold is classified as an "article" under NOM-018-STPS-2015, and as such is exempt from the requirement for labeling. For reference, the label elements that would apply to the hazards for the Shock Oil mixture and nitrogen gas are as follows:

Hazard pictograms (GHS MX) :



Signal word (GHS MX) : Danger  
Hazard statements (GHS MX) : H280 - Contains gas under pressure; may explode if heated.  
H304 - May be fatal if swallowed and enters airways.  
Precautionary statements (GHS MX) : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.  
P410+P403 - Protect from sunlight. Store in a well-ventilated place.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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### 2.3. Other hazards which do not result in classification

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS MX classification
Steel/Rubber	Not available	85	Not classified
Distillates, petroleum, hydrotreated light paraffinic	CAS-No.: 64742-55-8	14.25	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331 Asp. Tox. 1, H304
Nitrogen	CAS-No.: 7727-37-9	< 0.1	Press. Gas (Comp.), H280

## SECTION 4: First aid measures

### 4.1. Description of necessary first aid measures

First-aid measures after inhalation	: If nitrogen gas or oil mists/vapours are inhaled. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.
First-aid measures after skin contact	: In case of contact with the Shock Oil mixture, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: In case of contact with the Shock Oil mixture, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion	: If the Shock Oil mixture is swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: If damper seal is broken then gas, mists or vapours may leak and cause respiratory tract irritation.
Symptoms/effects after skin contact	: Chemical exposure may cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Chemical exposure may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: Shock Oil mixture may be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Oxides of nitrogen.  
Explosion hazard : Gas pressurized units will vent (at seal) when exposed to fire. Heat will increase pressure and may lead to the receptacle bursting.

### 5.3. Special protective actions for fire-fighters

Firefighting instructions : Use water spray to keep fire-exposed containers cool. Use indirect water spray or water fog.  
Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Measures to be taken in case of accidental spillage or accidental leakage

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Eliminate sources of ignition. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).  
Methods for cleaning up : Pick up large pieces, then place in a suitable container. Sweep up any excess absorbent. Provide ventilation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Pressurized container: Do not pierce or burn, even after use.  
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from sunlight. Store in a well-ventilated place. Protect containers from physical damage. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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Nitrogen (7727-37-9)	
Mexico - Occupational Exposure Limits	
Local name	Nitrógeno
Remark (MX)	Asfixia
Regulatory reference	NOM-010-STPS-2014

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Wear suitable gloves. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Shock/strut: Solid Shock Oil mixture: Liquid Nitrogen gas: Gas
Appearance	: Hydraulic oil & nitrogen gas in sealed metallic shocks/struts
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Not flammable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
Boiling point	207 – 750 °C Atm. press.: 101,325 kPa
Flash point	(>115 - <=268 °C - open cup)

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<b>Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)</b>	
Vapour pressure	< 0.1 hPa Temp.: 20 °C

<b>Nitrogen (7727-37-9)</b>	
Boiling point	-196 °C

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. Contains gas under pressure; may explode if heated. Do not store at temperatures above 50 °C / 122 °F.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

### 10.5. Incompatible materials

Strong mineral acids. Strong oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Oxides of nitrogen.

## SECTION 11: Toxicological information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

Unknown acute toxicity (GHS MX)	14.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
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<b>Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LC50 inhalation rat	3900 mg/m <sup>3</sup> (Exposure time: 4 h)
ATE MX (gases)	700 ppmv/4h
ATE MX (vapours)	3.9 mg/l/4h
ATE MX (dust,mist)	3.9 mg/l/4h

Skin corrosion/irritation : Not classified.

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Serious eye damage/irritation	: Not classified.
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.

### Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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Aspiration hazard : May be fatal if swallowed and enters airways.

### Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)

Viscosity, kinematic	1.99 – 847 mm <sup>2</sup> /s Temp.: '40°C' Parameter: 'mm <sup>2</sup> /s' 'mm <sup>2</sup> /s'
Animal studies and expert judgment for classification	False

### Nitrogen (7727-37-9)

Animal studies and expert judgment for classification	False
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Unknown hazards to the aquatic environment (GHS MX)	: Contains 0.11 % of components with unknown hazards to the aquatic environment
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

### Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)

LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### 12.2. Persistence and degradability

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Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### SECTION 14: Transport information

In accordance with NOM / IMDG / IATA

#### 14.1. UN number

UN-No. (NOM/SCT) : 3164  
UN-No. (IMDG) : 3164  
UN-No. (IATA) : 3164

#### 14.2. UN proper shipping name

Proper Shipping Name (NOM/SCT) : OBJETOS CON PRESION INTERIOR NEUMATICOS O HIDRAULICOS (que contienen gas inflamable)  
Proper Shipping Name (IMDG) : ARTICLES, PRESSURIZED, PNEUMATIC  
Proper Shipping Name (IATA) : Articles, pressurized, hydraulic

#### 14.3. Transport hazard class(es)

##### NOM

Transport hazard class(es) (NOM) : 2.2  
Danger labels (NOM/SCT) : 2.2  
:



##### IMDG

Transport hazard class(es) (IMDG) : 2.2  
Danger labels (IMDG) : 2.2  
:



##### IATA

Transport hazard class(es) (IATA) : 2.2  
Danger labels (IATA) : 2.2  
:



#### 14.4. Packing group

Packing group (NOM/SCT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

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### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### NOM

Special provisions (NOM/SCT) : 283  
Limited quantities (NOM/SCT) : 120 ml  
Excepted quantities (NOM/SCT) : E0  
Packing instruction (NOM/SCT) : P003

#### IMDG

No data available

#### IATA

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### National regulations

No additional information available

#### International regulations

No additional information available

## SECTION 16: Other information including those related to the preparation and updating of safety data sheets

Issue date : 27/11/2023  
Revision date : 27/11/2023

Indication of changes : None.



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### Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
LC50; Average lethal concentration; Lethal Concentration 50: Amount of a substance like gas, vapor mist or dust in a volume of air, statistically calculated, the exposure of which it is expected that 50% of the animals that experienced it are expected to die. When dealing with vapors or gases, it is stated in ppm, and when dust or mist, it is expressed in mg/l or in mg/m<sup>3</sup>.  
°C: Degrees Celsius. Unit of temperature in the international system.  
CO<sub>2</sub>: Carbon dioxide.  
LD50; average lethal dose; Lethal Dose 50: It is the amount of a substance (milligrams or grams per kilogram of body weight of the test subject) statistically obtained, and administered by mouth or dermally, which causes the death to 50% of a group of experimental animals.  
°F: Degrees Fahrenheit. Unit of temperature in the English system.  
HDS: Safety data sheets (SDS in English).  
ICC: Confidential business information (CBI in English).  
IUPAC: The International Union of Pure and Applied Chemistry.  
kPa: kilopascal. Unit of pressure.  
mg/l: Milligram per liter. Unit of concentration.  
mg/m<sup>3</sup>: Milligram per cubic meter. Unit of concentration.  
mg/kg: Milligram per kilogram. Unit of concentration.  
CAS Number: Number assigned to a chemical substance by the Chemical Abstract Service of the United States of America.  
UN Number: Identification number for the transportation of hazardous chemical substances assigned by the United Nations Organization.  
ppm: Parts per million. Volume/volume ratio.  
RTECS: Registry of Toxic Effects of Chemical Substances (according to its acronym in English) or Toxic Effects of Chemical Substances.  
SGA; GHS: The Globally Harmonized System of Classification and Labeling of Chemicals, developed by the Organization of the United Nations.  
VLE-PPT: Threshold limit value of time weighted average exposure (TLV-TWA in English).  
VLE-CT: Threshold limit value of short-term exposure (TLV-STEL in English).  
VLE-P: Threshold limit value of peak exposure (TLV-C in English).

Other information : The information is considered correct but not exhaustive and is to be used only as guidance, which is based on the current knowledge or the chemical substance or mixture and is applicable to the appropriate safety precautions for the product.

Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Safety Data Sheet (SDS), Mexico - Nexreg 2022

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