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

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 2023-11-27
Revision date: 2023-11-27
Version: 1.0

SECTION 1: Identification

1.1. Identification

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

1.2. Recommended use and restrictions on use

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

1.3. Supplier

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

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Manufactured Article: GHS classification and labelling not applicable. This product is exempt from classification and labelling as per C.F.R. 1910.1200(b)(6)(v) and the Hazardous Products Act, Paragraph 12(i).

However, there is Shock Oil mixture and nitrogen gas sealed in the article that may present the following hazards if released:

Press. Gas (Comp.)
Asp. Tox. 1

2.2. GHS Label elements, including precautionary statements

GHS labelling

Manufactured Article: GHS classification and labelling not applicable. This product is exempt from classification and labelling as per C.F.R. 1910.1200(b)(6)(v) and the Hazardous Products Act, Paragraph 12(i). 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) :

Signal word (GHS)	:	Danger
Hazard statements (GHS)	:	Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways.
Precautionary statements (GHS)	:	If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Store locked up. Protect from sunlight. Store in a well-ventilated place. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

14.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Steel/Rubber	Steel/Rubber	Not available	85
Distillates, petroleum, hydrotreated light paraffinic	Distillates, petroleum, hydrotreated light paraffinic Distillates, petroleum, hydrotreated light paraffinic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15-30 and produces a finished oil with a viscosity of less than 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.) / Lube base oil / Distillates (petroleum), hydrotreated light paraffinic	CAS-No.: 64742-55-8	14.25
Nitrogen	Nitrogen Nitrogen gas / Nitrogen, liquefied / NITROGEN / Nitrogen, compressed / nitrogen	CAS-No.: 7727-37-9	< 0.1

SECTION 4: First-aid measures

4.1. Description of 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 and effects (acute and delayed)

Symptoms/effects after inhalation : If damper seal is broken then gas, mists or vapours may leak. May 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. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

4.3. Immediate medical attention and special treatment, 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 (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
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 equipment and precautions 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: Accidental release measures

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 excess. Absorbent. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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

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

No additional information available

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

No additional information available

Nitrogen (7727-37-9)

USA - ACGIH - Occupational Exposure Limits

Local name	Nitrogen
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant
ACGIH chemical category	Simple asphyxiant See Appendix F: Minimal Oxygen Content
Regulatory reference	ACGIH 2022

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability	:	Not flammable.
Vapour pressure	:	No data available
Relative vapour density at 20°C / 68 °F	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

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. Oxidizers.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
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/m³ (Exposure time: 4 h)
ATE CA (Gases)	700 ppmv/4h
ATE CA (vapours)	3.9 mg/l/4h
ATE CA (dust,mist)	3.9 mg/l/4h

Skin corrosion/irritation : Not classified.
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)

Aspiration hazard : May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation : If damper seal is broken then gas, mists or vapours may leak. May 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. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

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

KYB Shock Absorber Monotube Numbers: 553605, 553606, 555610 Only	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

KYB Shock Absorber Monotube Numbers: 553605, 553606, 555610 Only	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal 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 DOT / TDG

14.1. UN number

DOT NA No : UN3164
UN-No. (TDG) : UN3164

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Articles, pressurized pneumatic
Proper Shipping Name (TDG) : ARTICLES, PRESSURIZED, HYDRAULIC

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 2.2
Hazard labels (DOT) : 2.2

TDG

Transport hazard class(es) (TDG) : 2.2
Hazard labels (TDG) : 2.2

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable

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.

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 Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Revision date : 11/27/2023
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Full text of H-statements	
Asp. Tox. 1	Aspiration hazard, Category 1
Press. Gas (Comp.)	Gases under pressure : Compressed gas