

SAFETY DATA SHEET

5in1 LPG valve saver

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

▼ Trade name

5in1 LPG valve saver

Product no.

687256

Unique formula identifier (UFI)

40CD-YYNC-4102-FWPN

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

Relevant identified uses of the substance or mixture

Additive

Use descriptors (REACH)

| Product category | Description |
|------------------|------------------------------------|
| | Additives to petrol or diesel fuel |

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Maumo International BV

P.O. Box 441
2990 AK Barendrecht
Nederland
+31 (0)180 699234
+31 (0)180 699235
www.maumo.nl

Contact person

Product Safety Department

E-mail

info@maumo.nl

Revision

25/01/2023

SDS Version

3.0

Date of previous version

24/01/2023 (2.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

Skin Irrit. 2; H315, Causes skin irritation.

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be fatal if swallowed and enters airways. (H304)

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Safety statement(s)

General

-

Prevention

Wear eye protection/protective gloves/protective clothing. (P280)

▼ Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage

-

Disposal

Dispose of contents/container in accordance with local regulation. (P501)

▼ Hazardous substances

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified

Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

Distillates (petroleum), hydrotreated light;Kerosine - unspecified

Additional labelling

UFI: 40CD-YYNC-4102-FWPN

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|--|--|--------|---|---------------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No.: EC No.: 918-481-9 UK-REACH: Index No.: | 40-60% | EUH066 Asp. Tox. 1, H304 | |
| Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified | CAS No.: 64742-53-6 EC No.: 265-156-6 UK-REACH: Index No.: 649-466-00-2 | 25-40% | Asp. Tox. 1, H304 | [12], [19] |
| Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethane sulphonate | CAS No.: 7491-09-0 EC No.: 231-308-5 UK-REACH: Index No.: | 10-15% | Skin Irrit. 2, H315 Eye Dam. 1, H318 | |
| Distillates (petroleum), hydrotreated light;Kerosine - unspecified | CAS No.: 64742-47-8 EC No.: 265-149-8 UK-REACH: | 5-10% | Asp. Tox. 1, H304 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[12] The classification as a carcinogen will not be taken into account as the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method' (CLP, Annex VI, note L).

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Carbon oxides (CO / CO₂)

Some metal oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Keep only in original packaging.

Storage temperature

Dry, cool and well ventilated

Store out of direct sunlight.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Long term exposure limit (8 hours) (ppm): 184

Long term exposure limit (8 hours) (mg/m³): 1200

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified

| Duration | Route of exposure | DNEL |
|-------------------------------------|-------------------|------------------------|
| Long term - Local effects - Workers | Inhalation | 5,58 mg/m ³ |

Potassium 1,2-bis(2-ethylhexyloxy)ethanesulphonate

| Duration | Route of exposure | DNEL |
|----------|-------------------|------------------------|
| | Dermal | 13,4 mg/kgbw/day |
| | Inhalation | 46,6 mg/m ³ |

PNEC

No data available.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

| Type | Class | Colour | Standards |
|-----------------------------------|-------|--------|-----------|
| No special when used as intended. | | | |

Skin protection

| Recommended | Type/Category | Standards |
|---|---------------|-----------|
| Dedicated work clothing should be worn. | - | - |



Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|----------|----------------------|--------------------------|-------------------------|
| Nitrile | 0,38 | > 240 | EN374-2, EN374-3, EN388 |



Eye protection

| Type | Standards |
|-----------------------------------|-----------|
| Safety glasses with side shields. | EN166 |



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Colourless

Odour / Odour threshold

Characteristic

pH

Testing not relevant or not possible due to nature of the product.

Density (g/cm³)

0.841 (20 °C)

Kinematic viscosity

No data available

Particle characteristics

Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)

No data available

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

180

Vapour pressure

No data available

Relative vapour density

No data available

Decomposition temperature (°C)

No data available

Data on fire and explosion hazards

Flash point (°C)

>61

Auto-Ignition (°C)

No data available

Flammability (°C)

No data available

Lower and upper explosion limit (% v/v)

No data available

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100)

No data available

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

▼ **Acute toxicity**

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
 Test method OECD 403
 Species Rat
 Route of exposure Inhalation
 Test LC50 (4 hours)
 Result >5000 mg/m³
 Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
 Test method OECD 401
 Species Rat
 Route of exposure Oral
 Test LD50
 Result >5000 mg/kg
 Other information

Product/substance Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
 Test method OECD 402
 Species Rabbit
 Route of exposure Dermal
 Test LD50
 Result >5000 mg/kg
 Other information

Product/substance Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified
 Test method
 Species Rat
 Route of exposure Inhalation
 Test LC50 (dust)
 Result >5,53 mg/L
 Other information

Product/substance Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified
 Test method
 Species Rabbit
 Route of exposure Dermal
 Test LD50
 Result >5000 mg/kg
 Other information

Product/substance Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result >5000 mg/kg
 Other information

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Endocrine disrupting properties

None known.

Other information

None known.

SECTION 12: Ecological information

12.1. ▼ Toxicity

| | |
|-------------------|--|
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method | |
| Species | Daphnia, Daphnia magna |
| Compartment | |
| Duration | 48 hours |
| Test | EL0 |
| Result | 1000 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method | |
| Species | Fish, Oncorhynchus mykiss |
| Compartment | |
| Duration | 96 hours |
| Test | LL0 |
| Result | 1000 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method | |
| Species | Algae, Pseudokirchneriella subcapitata |
| Compartment | |
| Duration | 72 hours |
| Test | EL0 |
| Result | 1000 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
| Test method | |
| Species | Daphnia, Daphnia magna |
| Compartment | |
| Duration | 48 hours |
| Test | EL50 |
| Result | >10000 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
| Test method | |
| Species | Fish |
| Compartment | |
| Duration | 96 hours |
| Test | LL50 |
| Result | >100 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
|-------------------|--|

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| | |
|-------------------|-----------|
| Test method | |
| Species | Algae |
| Compartment | |
| Duration | 72 hours |
| Test | NOELR |
| Result | >100 mg/L |
| Other information | |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
| Test method | |
| Species | Daphnia, Daphnia magna |
| Compartment | Freshwater |
| Duration | 21 days |
| Test | NOELR |
| Result | 10 mg/L |
| Other information | |

12.2. ▼ Persistence and degradability

| | |
|-------------------|--|
| Product/substance | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Biodegradable | Yes |
| Test method | OECD 301 F |
| Result | >60% |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
| Biodegradable | Yes |
| Test method | |
| Result | |

| | |
|-------------------|--|
| Product/substance | Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate |
| Biodegradable | Yes |
| Test method | |
| Result | |

| | |
|-------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light;Kerosine - unspecified |
| Biodegradable | Yes |
| Test method | OECD 301 F |
| Result | 61%, 28 days |

12.3. ▼ Bioaccumulative potential

| | |
|---------------------------|--|
| Product/substance | Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified |
| Test method | |
| Potential bioaccumulation | Yes |
| LogPow | No data available. |
| BCF | <500 |
| Other information | |

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

13 07 03* Other fuels (including mixtures)

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information |
|------|-------------------------|---|----------------------------------|---------------------|-----------------------|--------------------------|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Additional information

Not applicable.

Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H318, Causes serious eye damage.

The full text of identified uses as mentioned in section 1

= Additives to petrol or diesel fuel

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ The safety data sheet is validated by

Product Safety Department

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en