

FLASHLUBE VALVE SAVER (Y2K)



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : FLASHLUBE VALVE SAVER (Y2K)

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

Relevant identified uses: Cylinder fluid.

1.3. Details of the supplier of the safety data sheet

Registered company name : FLASHLUBE (Europe) Pty Ltd.

Address : 5135 Route d'Avignon.13540.AIX-EN-PROVENCE.France.

Telephone : +33 (0)4 42 21 20 54. Fax : +33 (0)4 42 21 19 68.

Email :mpluchot@donkyatt.com.au

https://www.flashlube.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

Other emergency numbers

AUSTRALIA : 1800 638 556 (24hr).

Ph No: 131126, www.poisonsinfo.nsw.gov.au/contact-Us.aspx

UK England > Ph No: 0845 4647, www.npis.org

New Zealand > Ph No: 0800 764 766, www.poisons.co.nz/contact

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS05



GHS08

Signal Word :

DANGER

Product identifiers :

649-423-00-8

KEROSINE (PETROLEUM), HYDRODESULFURIZED

EC 231-308-5

POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)ETHANESULPHONATE

Hazard statements :

H304

May be fatal if swallowed and enters airways.

H315

Causes skin irritation.

H318

Causes serious eye damage.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P102

Keep out of reach of children.

P103

Read carefully and follow all instructions.

Precautionary statements - Prevention :

P264

Wash face, hands and any exposed skin thoroughly after handling.

P273

Avoid release to the environment.

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|---------------------------------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary statements - Response : | |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see ... on this label). |
| P331 | Do NOT induce vomiting. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| Precautionary statements - Storage : | |
| P405 | Store locked up. |
| Precautionary statements - Disposal : | |
| P501 | Dispose of contents/container at a disposal facility in accordance with local regulations. |

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European CHemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

| Identification | (EC) 1272/2008 | Note | % |
|---|--|------|---------------------|
| INDEX: 649-477-00-2 CAS: 64742-70-7 EC: 265-174-4 PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY | | L | 25 \leq x % < 35 |
| INDEX: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 REACH: 01-2119484627-25 DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | | L | 25 \leq x % < 31 |
| CAS: 104-76-7 EC: 203-234-3 REACH: 01-2119487289-20 2-ETHYL-1-HEXANOL | GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 | [1] | 2.5 \leq x % < 10 |
| INDEX: 649-423-00-8 CAS: 64742-81-0 EC: 265-184-9 REACH: 01-2119462828-25 KEROSENE (PETROLEUM), HYDRODESULFURIZED | GHS08 Dgr Asp. Tox. 1, H304 | [1] | 2.5 \leq x % < 10 |
| CAS: 7491-09-0 EC: 231-308-5 POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)E THANESULPHONATE | GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 | | 2.5 \leq x % < 10 |
| CAS: 1398506-12-1 EC: 805-631-2 OXIRANE, 2-ETHYL-, HOMOPOLYMER, 3-AMINOPROPYL C11-14-ISOALKYL ETHERS, C13-RICH | GHS05, GHS09 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 | | 2.5 \leq x % < 5 |

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| | | | |
|--|-----------------------------------|-----|----------------|
| INDEX: 649-422-00-2 CAS: 64742-47-8 EC: 265-149-8 DISTILLATES (PETROLEUM), HYDRO-TREATED LIGHT | GHS08 Dgr Asp. Tox. 1, H304 | [1] | 2.5 <= x % < 5 |
| INDEX: 649-424-00-3 CAS: 64742-94-5 EC: 265-198-5 REACH: 01-2119463588-24 SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. | GHS08 Dgr Asp. Tox. 1, H304 | | 2.5 <= x % < 5 |

(Full text of H-phrases: see section 16)

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

If inhaled, move the patient into the fresh air and keep warm and at rest.

If breathing is irregular or has stopped, proceed with artificial respiration and seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

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In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Never inhale this mixture.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from food and drink, including those for animals.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

FLASHLUBE VALVE SAVER (Y2K)**7.3. Specific end use(s)**

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

| CAS | VME-mg/m ³ : | VME-ppm : | VLE-mg/m ³ : | VLE-ppm : | Notes : |
|----------|-------------------------|-----------|-------------------------|-----------|---------|
| 104-76-7 | 5.4 | 1 | - | - | - |

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|---------------------------|--------|-----------|--------------|------------|
| 64742-81-0 | 201 (P) mg/m ³ | | | Skin; A4 | |

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

| CAS | VME : | VME : | Excess | Notes |
|----------|-------|--------------------------------|--------|-------|
| 104-76-7 | | 10 ppm 54 mg/m ³ | | 1(I) |

- Belgium (Arrêté du 09/03/2014, 2014) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|------------|-----------------------|--------|-----------|--------------|------------|
| 64742-81-0 | 200 mg/m ³ | | | D | |

- Switzerland (SUVAPRO 2017) :

| CAS | VME | VLE | Valeur plafond | Notations |
|------------|---------------------------------|---------------------------------|----------------|-----------|
| 104-76-7 | 20 ppm 110 mg/m ³ | 20 ppm 110 mg/m ³ | | SSC |
| 64742-47-8 | 350 mg/m ³ | 700 mg/m ³ | | SSC |

Oil mist, refined mineral - ACGIH : VME = 5 mg/m³ ; VLE = 10mg/m³**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

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In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

| | |
|------------------|-----------------|
| Physical state : | Fluid liquid. |
| Colour: | Yellow. |
| Odour: | Characteristic. |

Important health, safety and environmental information

| | |
|--------------------------|---|
| pH : | Not relevant. |
| Flash Point : | 140.00 °C. |
| Vapour pressure (50°C) : | Below 110 kPa (1.10 bar). |
| Density : | 0.86 (15°C) |
| Water solubility : | Insoluble. |
| Viscosity : | 17 mm ² /s (40°C) |
| Viscosity : | 14 mm ² /s < v <= 20,5 mm ² /s (40°C) |

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

- Avoid :
- heat
 - flames and hot surfaces

10.5. Incompatible materials

- Keep away from :
- oxidising agents

10.6. Hazardous decomposition products

- The thermal decomposition may release/form :
- carbon monoxide (CO)
 - carbon dioxide (CO₂)
 - nitrogen oxide (NO)
 - nitrogen dioxide (NO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

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Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

11.1.1. Substances

Acute toxicity :

2-ETHYL-1-HEXANOL (CAS: 104-76-7)

Oral route : LD50 = 3290 mg/kg

11.1.2. Mixture

Aspiration hazard :

May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)ETHANESULPHONATE (CAS: 7491-09-0)

Fish toxicity : LC50 = 27.2 mg/l
Duration of exposure : 96 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)ETHANESULPHONATE (CAS: 7491-09-0)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2019/521 (ATP 12)

- Container information:

Packaging to be fitted with child-resistant fastenings (see EC Regulation No. 1272/2008, Annex II, Part 3).

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704)

:

NFPA 704, Labelling: Health=3 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

| | |
|------|--|
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

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Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

GHS08 : Health hazard

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.