Qlima

# SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

# Qlima Spark

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

### 1.1. Product identifier

**Product name** : Qlima Spark
**Registration number REACH** : 01-2119456620-43
**Product type REACH** : Substance/UVCB
**CAS number** : 64742-47-8
**EC number** : 265-149-8
**List number** : 926-141-6

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

**1.2.1 Relevant identified uses**

Liquid fuel for portable heaters

**1.2.2 Uses advised against**

No uses advised against

### 1.3. Details of the supplier of the safety data sheet

**Supplier of the safety data sheet**

PVG LIQUIDS NV
Belgicastraat 1C - Haven 2290
B-9042 Gent
☎ +32 9 250 90 80
liquid600@pvg.eu

### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :
+32 14 58 45 45 (BIG)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

| Class | Category | Hazard statements |
|---|---|---|
| Asp. Tox. | category 1 | H304: May be fatal if swallowed and enters airways. |

### 2.2. Label elements

**Signal word** Danger
**H-statements**
H304 May be fatal if swallowed and enters airways.
**P-statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P331 Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.
**Supplemental information**
EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

No other hazards known

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Name<br>REACH Registration No | CAS No<br>EC No<br>List No | Conc. (C) | Classification according to CLP | Note | Remark | M-factors and ATE |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics<br>01-2119456620-43 | 64742-47-8<br>265-149-8<br>926-141-6 | C≤100% | Asp. Tox. 1; H304<br>EUH066 | (1)(13)(10) | UVCB | |

(1) For H- and EUH-statements in full: see section 16
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006
(13) Aromatics ≤ 1 %
Note: numbers 9xx-xxx-x are provisional list numbers assigned by Echa pending an official EC inventory number

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General:**
Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

**After inhalation:**
Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

**After skin contact:**
If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

**After eye contact:**
Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

**After ingestion:**
Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

**4.2.1 Acute symptoms**

**After inhalation:**
EXPOSURE TO HIGH CONCENTRATIONS: Nausea. Dizziness. Disturbances of consciousness.

**After skin contact:**
ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

**After eye contact:**
Redness of the eye tissue.

**After ingestion:**
Risk of aspiration pneumonia. Nausea. Vomiting. Coughing. Respiratory difficulties.

**4.2.2 Delayed symptoms**
No effects known.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**5.1.1 Suitable extinguishing media:**
Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (not alcohol-resistant).

**5.1.2 Unsuitable extinguishing media:**
Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Major fire: Water; risk of puddle expansion.

### 5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed.

### 5.3. Advice for firefighters

**5.3.1 Instructions:**
No specific fire-fighting instructions required.

**5.3.2 Special protective equipment for fire-fighters:**
Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

## SECTION 6: Accidental release measures

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

No naked flames. Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

**6.1.1 Protective equipment for non-emergency personnel**

See section 8.2

**6.1.2 Protective equipment for emergency responders**

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

### 6.2. Environmental precautions

Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.

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

Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See section 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Keep away from naked flames/heat. At temperature > flashpoint: use spark-/explosionproof appliances. Use earthed equipment. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Avoid prolonged and repeated contact with skin. Remove contaminated clothing immediately. Keep container tightly closed.

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

**7.2.1 Safe storage requirements:**

Meet the legal requirements. Keep container in a well-ventilated place.

**7.2.2 Keep away from:**

Heat sources, oxidizing agents.

**7.2.3 Suitable packaging material:**

Carbon steel, stainless steel, polyester, polyethylene, polypropylene, Teflon.

**7.2.4 Non suitable packaging material:**

Natural rubber, butyl rubber, EPDM, polystyrene.

### 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**8.1.1 Occupational exposure**

**a) Occupational exposure limit values**

If limit values are applicable and available these will be listed below.

**b) National biological limit values**

If limit values are applicable and available these will be listed below.

**8.1.2 Sampling methods**

If applicable and available it will be listed below.

**8.1.3 Applicable limit values when using the substance or mixture as intended**

If limit values are applicable and available these will be listed below.

**8.1.4 Threshold values**

If applicable and available it will be listed below.

**8.1.5 Control banding**

If applicable and available it will be listed below.

### 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

**8.2.1 Appropriate engineering controls**

Keep away from naked flames/heat. At temperature > flashpoint: use spark-/explosionproof appliances. Use earthed equipment. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

**8.2.2 Individual protection measures, such as personal protective equipment**

Avoid prolonged and repeated contact with skin. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Protective gloves against chemicals (EN 374).

| Materials | Measured breakthrough time | Thickness | Protection index | Remark |
|---|---|---|---|---|
| nitrile rubber | > 480 minutes | 0.38 mm | Class 6 | |

c) Eye protection:

Face shield (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

**8.2.3 Environmental exposure controls:**

See sections 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical form | Liquid |
| Colour | Variable in colour, depending on the national fiscal legislation |
| Translucency | Clear |
| Odour | Mild odour |
| | Petroleum-like odour |
| Odour threshold | No data available in the literature |
| Melting point | < -15 °C |
| Boiling point | 175 °C - 280 °C |
| Flammability | Not classified as flammable |
| Explosion limits | 0.6 - 7 vol % |
| Flash point | 77 °C ; Closed cup ; 1013 hPa ; ASTM D93 |
| Auto-ignition temperature | > 200 °C ; 1013 hPa |
| Decomposition temperature | No data available in the literature |
| pH | Not applicable (non-soluble in water) |
| Kinematic viscosity | < 2.0 mm²/s ; 40 °C |
| Dynamic viscosity | < 50 mPa.s ; 20 °C |
| Solubility | Water ; < 0.2 g/100 ml ; 20 °C |
| Log Kow | 2 - 7.7 ; QSAR ; KOWWIN ; 20 °C |
| Vapour pressure | 0.2 hPa ; 20 °C |
| Absolute density | 802.8 kg/m³ ; 15 °C |
| Relative density | 0.8 ; 15 °C ; ISO 12185 |
| Relative vapour density | > 3 |
| Particle size | Not applicable (liquid) |

### 9.2. Other information

| | |
|---|---|
| Surface tension | 26.4 mN/m ; 25 °C ; 100 % ; Wilhelmy plate method |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Temperature above flashpoint: higher fire/explosion hazard.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

**Precautionary measures**

Keep away from naked flames/heat. At temperature > flashpoint: use spark-/explosionproof appliances. Use earthed equipment. In finely divided state: use spark-/explosionproof appliances. Finely divided: keep away from ignition sources/sparks.

### 10.5. Incompatible materials

Oxidizing agents.

### 10.6. Hazardous decomposition products

Upon combustion: CO and CO2 are formed.

## SECTION 11: Toxicological information

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

**11.1.1 Test results**

**Acute toxicity**

Qlima Spark

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Oral | LD50 | Equivalent to OECD 401 | > 15000 mg/kg bw | | Rat (male / female) | Experimental value | |
| Dermal | LD50 | Equivalent to OECD 402 | > 5000 mg/kg bw | 24 h | Rabbit (male / female) | Read-across | |
| Inhalation (vapours) | LC50 | Equivalent to OECD 403 | > 6.1 mg/l air | 4 h | Rat (male / female) | Read-across | |

**Conclusion**

Not classified for acute toxicity

**Corrosion/irritation**

Qlima Spark

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Eye | Not irritating | OECD 405 | | 24; 48; 72 hours | Rabbit | Read-across | Single treatment |
| Skin | Not irritating | Equivalent to OECD 404 | 4 h | 24; 48; 72 hours | Rabbit | Read-across | |

**Conclusion**

Not classified as irritating to the skin
Not classified as irritating to the eyes
Not classified as irritating to the respiratory system

**Respiratory or skin sensitisation**

Qlima Spark

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|
| Skin | Not sensitizing | Equivalent to OECD 406 | | | Guinea pig (female) | Read-across | |

**Conclusion**

Not classified as sensitizing for skin
Not classified as sensitizing for inhalation

**Specific target organ toxicity**

Qlima Spark

| Route of exposure | Parameter | Method | Value | Organ/Effect | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|---|
| Oral (stomach tube) | NOAEL | Equivalent to OECD 408 | ≥ 1000 mg/kg bw/day | No effect | 13 weeks (7 days / week) | Rat (male / female) | Experimental value | |
| Dermal | | | | | | | Data waiving | |
| Inhalation (vapours) | NOAEC | Equivalent to OECD 413 | ≥ 6000 mg/m³ air | No effect | 13 weeks (6h / day, 5 days / week) | Rat (male / female) | Experimental value | |

**Conclusion**

Not classified for subchronic toxicity

**Mutagenicity (in vitro)**

Qlima Spark

| Result | Method | Test substrate | Effect | Value determination | Remark |
|---|---|---|---|---|---|
| Negative with metabolic activation, negative without metabolic activation | Equivalent to OECD 473 | Human lymphocytes | | Experimental value | |
| Negative with metabolic activation, negative without metabolic activation | OECD 471 | Bacteria (S.typhimurium) | | Read-across | |
| Negative with metabolic activation, negative without metabolic activation | Equivalent to OECD 476 | Mouse (lymphoma L5178Y cells) | | Read-across | |

**Mutagenicity (in vivo)**

Qlima Spark

| Result | Method | Exposure time | Test substrate | Organ/Effect | Value determination | Remark |
|---|---|---|---|---|---|---|
| Negative (Oral (stomach tube)) | Equivalent to OECD 474 | | Mouse (male / female) | Bone marrow (no effect) | Read-across | Single treatment |

**Conclusion**

Not classified for mutagenic or genotoxic toxicity

**Carcinogenicity**

Qlima Spark

| Route of exposure | Parameter | Method | Value | Organ/Effect | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|---|
| Dermal | NOAEL | Carcinogenic toxicity study | 50 % | Skin (no carcinogenic effect) | 52 week(s) | Mouse (male) | Experimental value | |

**Conclusion**

Not classified for carcinogenicity

**Reproductive toxicity**

Qlima Spark

| Category | Parameter | Method | Value | Exposure time | Species | Effect/Organ | Value determination | Remark |
|---|---|---|---|---|---|---|---|---|
| Developmental toxicity (Inhalation (vapours)) | NOAEL | Equivalent to OECD 414 | ≥ 5220 mg/m³ air | 10 days (6h / day) | Rat | No effect | Read-across | |
| Maternal toxicity (Inhalation (vapours)) | NOAEL | Equivalent to OECD 414 | ≥ 5220 mg/m³ | 10 days (6h / day) | Rat | No effect | Read-across | |
| Effects on fertility | | | | | | | Data waiving | |

**Conclusion**

Not classified for reprotoxic or developmental toxicity

**Aspiration hazard**

Qlima Spark

May be fatal if swallowed and enters airways.

**Toxicity other effects**

Qlima Spark

| Route of exposure | Parameter | Method | Value | Organ/Effect | Exposure time | Species | Value determination | Remark |
|---|---|---|---|---|---|---|---|---|
| Skin | | | | Skin (skin dryness or cracking) | | | Literature study | |

**Conclusion**

Repeated exposure may cause skin dryness or cracking.

**Chronic effects from short and long-term exposure**

Qlima Spark

No effects known.

### 11.2. Information on other hazards

No evidence of endocrine disrupting properties

## SECTION 12: Ecological information

### 12.1. Toxicity

Qlima Spark

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|---|---|---|---|---|---|---|---|---|
| Acute toxicity fishes | LL50 | OECD 203 | > 1000 mg/l | 96 h | Oncorhynchus mykiss | Semi-static system | Fresh water | Experimental value; GLP |
| Acute toxicity crustacea | EL50 | OECD 202 | > 1000 mg/l | 48 h | Daphnia magna | Static system | Fresh water | Experimental value; GLP |
| Toxicity algae and other aquatic plants | EL50 | OECD 201 | > 1000 mg/l | 72 h | Pseudokirchneriella subcapitata | Static system | Fresh water | Experimental value; GLP |
| | NOELR | OECD 201 | 1000 mg/l | 72 h | Pseudokirchneriella subcapitata | Static system | Fresh water | Experimental value; GLP |
| Long-term toxicity aquatic crustacea | NOELR | | 1.2 mg/l | 21 day(s) | Daphnia magna | | Fresh water | QSAR; Reproduction |
| Toxicity aquatic micro-organisms | EL50 | | > 1000 mg/l | 48 h | Tetrahymena pyriformis | | Fresh water | QSAR; Nominal concentration |

**Conclusion**

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

Qlima Spark

**Biodegradation water**

| Method | Value | Duration | Value determination |
|---|---|---|---|
| OECD 301F | 80 %; GLP | 28 day(s) | Experimental value |

**Phototransformation air (DT50 air)**

| Method | Value | Conc. OH-radicals | Value determination |
|---|---|---|---|
| AOPWIN v1.92 | 7.1 h - 10 h | 1.5E6 /cm³ | QSAR |

**Conclusion**

**Water**

Readily biodegradable in water

### 12.3. Bioaccumulative potential

Qlima Spark

**BCF fishes**

| Parameter | Method | Value | Duration | Species | Value determination |
|---|---|---|---|---|---|
| BCF | BCFBAF v3.01 | 7 l/kg - 19187 l/kg; Fresh weight | | Pisces | QSAR |

**Log Kow**

| Method | Remark | Value | Temperature | Value determination |
|---|---|---|---|---|
| KOWWIN | | 2 - 7.7 | 20 °C | QSAR |

**Conclusion**

No straightforward conclusion can be drawn based upon the available numerical values

### 12.4. Mobility in soil

Qlima Spark

**Percent distribution**

| Method | Fraction air | Fraction biota | Fraction sediment | Fraction soil | Fraction water | Value determination |
|---|---|---|---|---|---|---|
| Fugacity Model Level III | 22 % | | 6.2 % | 2.5 % | 69 % | Calculated value |

**Conclusion**

Low potential for adsorption in soil

### 12.5. Results of PBT and vPvB assessment

Substance does not meet the criteria of PBT, nor the criteria of vPvB according to Annex XIII of Regulation (EC) No 1907/2006, so is neither PBT nor vPvB.

### 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

### 12.7. Other adverse effects

Qlima Spark

**Greenhouse gases**

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 2024/573)

**Ozone-depleting potential (ODP)**

Not classified as dangerous for the ozone layer (Regulation (EC) No 2024/590)

**Groundwater**

Groundwater pollutant

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

**13.1.1 Provisions relating to waste**

**European Union**

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
13 07 03* (wastes of liquid fuels: other fuels (including mixtures)). Depending on branch of industry and production process, also other waste codes may be applicable.

**13.1.2 Disposal methods**

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

**13.1.3 Packaging/Container**

**European Union**

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

## SECTION 14: Transport information

### Road (ADR)

14.1. UN number or ID number

| | |
|---|---|
| Transport | Not subject |

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|---|---|
| Hazard identification number | |
| Class | |
| Classification code | |

14.4. Packing group

| | |
|---|---|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|---|---|
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|---|---|
| Special provisions | |
| Limited quantities | |

### Rail (RID)

14.1. UN number or ID number

| | |
|---|---|
| Transport | Not subject |

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|---|---|
| Hazard identification number | |
| Class | |
| Classification code | |

14.4. Packing group

| | |
|---|---|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|---|---|
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|---|---|
| Special provisions | |
| Limited quantities | |

### Inland waterways (ADN)

14.1. UN number or ID number

| | |
|---|---|
| UN number/ID number | 9003 |

14.2. UN proper shipping name

| | |
|---|---|
| Proper shipping name | substances with a flash-point above 60 °C and not more than 100 °C (hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics) |

14.3. Transport hazard class(es)

| | |
|---|---|
| Class | 9 |
| Classification code | M12 |

14.4. Packing group

| | |
|---|---|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|---|---|
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|---|---|
| Special provisions | |
| Limited quantities | |
| Specific mention | Dangerous only when carried in tank vessels. |

### Sea (IMDG/IMSBC)

14.1. UN number or ID number

| | |
|---|---|
| Transport | Not subject |

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|---|---|
| Class | |

14.4. Packing group

| | |
|---|---|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|---|---|
| Marine pollutant | |
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|---|---|
| Special provisions | |
| Limited quantities | |

14.7. Maritime transport in bulk according to IMO instruments

| | |
|---|---|
| Annex II of MARPOL 73/78 | |

### Air (ICAO-TI/IATA-DGR)

14.1. UN number or ID number

| | |
|---|---|
| Transport | Not subject |

14.2. UN proper shipping name

14.3. Transport hazard class(es)

| | |
|---|---|
| Class | |

14.4. Packing group

| | |
|---|---|
| Packing group | |
| Labels | |

14.5. Environmental hazards

| | |
|---|---|
| Environmentally hazardous substance mark | no |

14.6. Special precautions for user

| | |
|---|---|
| Special provisions | |

Passenger and cargo transport

| | |
|---|---|
| Limited quantities: maximum net quantity per packaging | |

## SECTION 15: Regulatory information

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

**European legislation:**

VOC content Directive 2010/75/EU

| VOC content | Remark |
|---|---|
| 100 % | |

Directive 2012/18/EU (Seveso III)

Not subject to registration according to Directive 2012/18/EU (Seveso III)

REACH Candidate list

Not enumerated in candidate list of substances of very high concern (SVHC) for authorisation (Article 59 of Regulation (EC) No 1907/2006)

REACH Annex XIV - Authorisation

Not enumerated in Annex XIV of Regulation (EC) No 1907/2006: list of substances subject to authorisation

REACH Annex XVII - Restriction

Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

| | Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|---|---|---|
| · Qlima Spark | Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:<br>(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;<br>(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;<br>(c) hazard class 4.1;<br>(d) hazard class 5.1. | 1. Shall not be used in:<br>— ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,<br>— tricks and jokes,<br>— games for one or more participants, or any article intended to be used as such, even with ornamental aspects,<br>2. Articles not complying with paragraph 1 shall not be placed on the market.<br>3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:<br>— can be used as fuel in decorative oil lamps for supply to the general public, and,<br>— present an aspiration hazard and are labelled with H304,<br>4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).<br>5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:<br>a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life- threatening lung damage”;<br>b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life threatening lung damage”;<br>c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public |

| | | |
|---|---|---|
| | | are packaged in black opaque containers not exceeding 1 litre by 1 December 2010. |

**National legislation Belgium**

No data available

**National legislation The Netherlands**

| | |
|---|---|
| Waterbezwaarlijkheid | B (4); Algemene Beoordelingsmethodiek (ABM) |

**National legislation France**

No data available

**National legislation Germany**

| | |
|---|---|
| WGK | 1; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017 |
| TA-Luft | 5.2.5/I |

**National legislation Austria**

No data available

**National legislation United Kingdom**

No data available

**Other relevant data**

No data available

### 15.2. Chemical safety assessment

A chemical safety assessment has been performed.

## SECTION 16: Other information

**Full text of any H- and EUH-statements referred to under section 3:**

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

| | |
|---|---|
| (*) | INTERNAL CLASSIFICATION BY BIG |
| ADI | Acceptable daily intake |
| AOEL | Acceptable operator exposure level |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration Factor |
| BEI | Biological Exposure Indices |
| CLP (EU-GHS) | Classification, labelling and packaging (Globally Harmonised System in Europe) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No Effect Level |
| EC10 | Effect Concentration 10 % |
| EC50 | Effect Concentration 50 % |
| ErC50 | EC50 in terms of reduction of growth rate |
| GLP | Good Laboratory Practice |
| LC0 | Lethal Concentration 0 % |
| LC50 | Lethal Concentration 50 % |
| LD50 | Lethal Dose 50 % |
| LOAEC/LOAEL | Lowest Observed Adverse Effect Concentration/Lowest Observed Adverse Effect Level |
| NOAEC/NOAEL | No Observed Adverse Effect Concentration/No Observed Adverse Effect Level |
| NOEC/NOEL | No Observed Effect Concentration/No Observed Effect Level |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent, Bioaccumulative & Toxic |
| PNEC | Predicted No Effect Concentration |
| STP | Sludge Treatment Process |
| vPvB | very Persistent & very Bioaccumulative |

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.