# SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

#### 1.1. Product identifier

Product name : SPECIFIC 5122 0W20 Product code : 59610

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

4-stroke engine lubricant

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

Registered company name : MOTUL Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: . Email : motul\_hse@motul.fr

1.4. Emergency telephone number : +44 (0) 1235 239 670.

Association/Organisation : ORFILA.

#### Other emergency numbers

UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO : +52 55 5004 8763 / MIDDLE EAST - AFRICA : +44 1235 239671

BRAZIL : +55 11 3197 5891 / COLOMBIA : +57 601 508 7337 / ARGENTINA : +54 11 5984 3690 / CHILE : +562 2582 9336

Ireland : +353 1 8092566 24 hours a day, 7 days a week

# **SECTION 2 : HAZARDS IDENTIFICATION**

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

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

May produce an allergic reaction (EUH208).

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

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

# 2.2. Label elements

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

Additional labeling :

Contains C14-16-18 ALKYL PHENOL. May produce an allergic reaction.

# 2.3. Other hazards

EUH208

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 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. The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

#### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2. Mixtures

#### **Composition :**

| Identification                | (EC) 1272/2008    | Note | %               |
|-------------------------------|-------------------|------|-----------------|
| CAS: 64742-54-7               | GHS08             | L    | 50 <= x % < 100 |
| EC: 265-157-1                 | Dgr               |      |                 |
|                               | Asp. Tox. 1, H304 |      |                 |
| DISTILLATES (PETROLEUM),      |                   |      |                 |
| HYDROTREATED HEAVY PARAFFINIC |                   |      |                 |
| CAS: 157707-86-3              | GHS08             |      | 10 <= x % < 25  |
| EC: 500-393-3                 | Dgr               |      |                 |
| REACH: 01-2119493949-12-0000  | Asp. Tox. 1, H304 |      |                 |
|                               |                   |      |                 |
| DEC-1-ENE, TRIMERS,           |                   |      |                 |
| HYDROGENATED                  |                   |      |                 |
| CAS: 72623-86-0               | GHS08             | L    | 2.5 <= x % < 10 |

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|--|---------------------|-----------------------------------|-----------------|
| EC: 276-737-9  | Dgr                 |                                   |                 |
| REACH: 01-2119474878-16  | Asp. Tox. 1, H304   |                                   |                 |
| LUBRICATING OILS (PETROLEUM),  |                     |                                   |                 |
| . ,  |                     |                                   |                 |
| C15-30, HYDROTREATED NEUTRAL   |                     |                                   |                 |
| OIL-BASED  | 011000              |                                   | 0.5             |
| CAS: 64742-54-7  | GHS08               | L                                 | 2.5 <= x % < 10 |
| EC: 265-157-1  | Dgr                 |                                   |                 |
| REACH: 01-2119484627-25  | Asp. Tox. 1, H304   |                                   |                 |
| DISTILLATES (PETROLEUM),   |                     |                                   |                 |
| HYDROTREATED HEAVY PARAFFINIC  |                     |                                   |                 |
| CAS: 72623-87-1  | GHS08               | L                                 | 2.5 <= x % < 10 |
| EC: 276-738-4  | Dgr                 |                                   |                 |
| REACH: 01-2119474889-13  | Asp. Tox. 1, H304   |                                   |                 |
| LUBRICATING OILS (PETROLEUM),  |                     |                                   |                 |
| C20-50, HYDROTREATED NEUTRAL   |                     |                                   |                 |
| OIL-BASED  |                     |                                   |                 |
|  |                     |                                   | 1 <= x % < 2.5  |
| CAS: 64742-54-7  | GHS08               | L                                 | 1 <= x % < 2.5  |
| EC: 265-157-1  | Dgr                 |                                   |                 |
| REACH: 01-2119484627-25  | Asp. Tox. 1, H304   |                                   |                 |
| DISTILLATES (PETROLEUM),   |                     |                                   |                 |
| HYDROTREATED HEAVY PARAFFINIC  |                     |                                   |                 |
| CAS: 64742-56-9  | GHS08               | L                                 | 1 <= x % < 2.5  |
| EC: 265-159-2  |                     | L                                 | 1 <= x % < 2.5  |
|  | Dgr                 |                                   |                 |
| REACH: 01-2119480132-48  | Asp. Tox. 1, H304   |                                   |                 |
| DISTILLATES (PETROLEUM),   |                     |                                   |                 |
| SOLVENT-DEWAXED LIGHT  |                     |                                   |                 |
| PARAFFINIC   |                     |                                   |                 |
| CAS: 64742-65-0  | GHS08               | L                                 | 1 <= x % < 2.5  |
| EC: 265-169-7  | Dgr                 |                                   | 1 - 7/0 - 2.0   |
| REACH: 01-2119471299-27  | Asp. Tox. 1, H304   |                                   |                 |
| NEAGH. 01-2113411233-21  | Δομ. τυχ. τ, τιου4  |                                   |                 |
| DISTILLATES (PETROLEUM),   |                     |                                   |                 |
| SOLVENT-DEWAXED HEAVY  |                     |                                   |                 |
| PARAFFINIC   |                     |                                   |                 |
| CAS: 64742-70-7  | GHS08               | L                                 | 1 <= x % < 2.5  |
| EC: 265-174-4  | Dgr                 |                                   |                 |
| REACH: 01-2119487080-42  | Asp. Tox. 1, H304   |                                   |                 |
|  |                     |                                   |                 |
| PARAFFIN OILS (PETROLEUM),<br>CATALYTIC DEWAXED HEAVY                            |                     |                                   |                 |
| EC: 931-468-2  | GHS07, GHS08        |                                   | 0 <= x % < 1    |
| REACH: 01-2119498288-19  | Wng                 |                                   |                 |
|  | Skin Sens. 1B, H317 |                                   |                 |
| C14-16-18 ALKYL PHENOL   | STOT RE 2, H373     |                                   |                 |
|  | 5101 RE 2, 113/3    |                                   |                 |

# Information on ingredients :

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

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 :

In the event of an allergic reaction, seek medical attention. Remove the victim to fresh air. If the symptoms persist, call a physician. Wash immediately and abundantly with water, including under the eyelids.

#### In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

Immediately remove all soiled clothing.

Wash immediately and abundantly with soap and water.

# In the event of swallowing :

Seek medical attention, 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

## Dry agent, foam, carbon dioxide.

# Unsuitable methods of extinction

High volume 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.

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

- carbon monoxide (CO)
- carbon dioxide (CO2)

#### 5.3. Advice for firefighters

No data available.

# **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

Spilled product may make surfaces slippery.

# 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.

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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. Do not swallow

Do not get in eyes, on skin, or on clothing.

#### Fire prevention :

Prevent access by unauthorised personnel. Take precautionary measures against static discharges by bonding and grounding equipment. No smoking.

#### **Recommended equipment and procedures :**

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For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Ensure good ventilation at the workplace

# Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used. Do not breathe fumes, vapour, spray.

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

Store between 5°C and 40°C in a dry, well ventilated place. Only use hydrocarbon-resistant containers, joints and pipes.

## Storage

Keep out of reach of children.

# Packaging

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

# 7.3. Specific end use(s)

No data available.

# SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

No data available.

#### 8.2. Exposure controls

# Appropriate engineering controls

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction. Personnel shall wear regularly laundered overalls.

# Personal protection measures, such as personal protective equipment

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.

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# - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

# - Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

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.

Type of gloves recommended :

| Glove         | 0.38 mm  |
|---------------|----------|
| thickness:    |          |
| Break-through | > 480 mn |
| time:         |          |

#### - Body protection

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.

# - Respiratory protection

Breathing apparatus only when aerosol or spray are formed.

# SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES 9.1. Information on basic physical and chemical properties Physical state Physical state Physical state : Fluid liquid. Colour Unspecified Odour

Odour threshold :

Not stated.

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| Melting point/melting range :                            | Not relevant.     |
|--|-------------------|
| Freezing point   |                   |
| Freezing point / Freezing range :                        | Not stated.       |
| Boiling point or initial boiling point and boiling range |                   |
| Boiling point/boiling range :                            | Not relevant.     |
| Flammability   |                   |
| Flammability (solid, gas) :                              | Not stated.       |
| Lower and upper explosion limit                          |                   |
| Explosive properties, lower explosivity limit (%) :      | Not stated.       |
| Explosive properties, upper explosivity limit (%) :      | Not stated.       |
| Flash point  |                   |
| Flash Point Interval :                                   | FP > 100°C.       |
| Auto-ignition temperature                                |                   |
| Self-ignition temperature :                              | Not relevant.     |
| Decomposition temperature                                |                   |
| Decomposition point/decomposition range :                | Not relevant.     |
| pH   |                   |
| pH (aqueous solution) :                                  | Not stated.       |
| pH :   | Not relevant.     |
| Kinematic viscosity                                      |                   |
| Viscosity :  | 38.5 mm²/s à 40°C |
| Solubility   |                   |
| Water solubility :                                       | Insoluble.        |
| Fat solubility :   | Not stated.       |
| Partition coefficient n-octanol/water (log value)        |                   |
| Partition coefficient: n-octanol/water :                 | Not stated.       |
| Vapour pressure  |                   |
| Vapour pressure (50°C) :                                 | Not relevant.     |
| Density and/or relative density                          |                   |
| Density :  | <1                |
| Relative vapour density                                  |                   |
| Vapour density :   | Not stated.       |

9.2.1. Information with regard to physical hazard classes

No data available.

# 9.2.2. Other safety characteristics

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

No data available.

# 10.4. Conditions to avoid

Keep away from heat and from sources of ignition

Take precautionary measures against static discharges.

# 10.5. Incompatible materials

Strong oxidants

Acids

# 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO2)

| 11.1. Information on hazard classes as defi                                  | ned in Regulation (EC) No 1272/2008   |
|--|---|
| No data available.   |   |
| 11.1.1. Substances   |   |
| Acute toxicity :   |   |
| •  | EATED HEAVY PARAFFINIC (CAS: 64742-54-7)  |
| Oral route :   | LD50 > 5000 mg/kg   |
|  | Species : Rat   |
|  | OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)   |
| Dermal route :   | LD50 > 5000 mg/kg   |
|  | Species : Rabbit  |
|  | OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)   |
| Inhalation route (Dusts/mist) :  | LC50 > 5.53 mg/l  |
|  | OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)   |
| DEC-1-ENE, TRIMERS, HYDROGENATEI   | D (CAS: 157707-86-3)  |
| Oral route :   | LD50 > 2000 mg/kg   |
|  | Species : Rat   |
| Specific target organ systemic toxicity - rep                                | peated exposure :   |
| DISTILLATES (PETROLEUM), HYDROTR   | EATED HEAVY PARAFFINIC (CAS: 64742-54-7)  |
| Oral route :   | C = 125 mg/kg poids corporel/jour   |
|  | Species : Rat   |
|  | Duration of exposure : 90 jours   |
|  | OCDE Ligne directrice 408 (Toxicité orale à doses répétées - rongeurs: 90<br>jours)                     |
| Dermal route :   | C = 30 mg/kg poids corporel/jour  |
|  | Species : Rat   |
|  | Duration of exposure : 90 jours   |
|  | OCDE Ligne directrice 411 (Toxicité cutanée subchronique: 90 jours)                                     |
| 11.1.2. Mixture  |   |
| Skin corrosion/skin irritation :   |   |
| Repeated or prolonged contact with the prepabor absorption through the skin. | paration may cause removal of natural fat from the skin resulting in non allergic contact dermatitis an |
| Serious damage to eyes/eye irritation :                                      |   |

# Serious damage to eyes/eye irritation :

Mild eye irritation

# Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

# Aspiration hazard :

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."

May cause lung damage if swallowed

# 11.2. Information on other hazards

# SECTION 12 : ECOLOGICAL INFORMATION

# 12.1. Toxicity

12.1.1. Substances

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7) Fish toxicity : LC50 > 100 mg/l Species : Pimephales promelas Duration of exposure : 96 h

> NOEC = 1000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 14 jours

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|--|--|
|  |  |
| Crustacean toxicity :  | EC50 > 10000 mg/l  |
|  | Species : Daphnia magna  |
|  | Duration of exposure : 48 h  |
|  |  |
|  | NOEC = 10 mg/l   |
|  | Species : Daphnia magna  |
|  | Duration of exposure : 21 jours  |
| Algae toxicity :   | NOEC >= 100 mg/l   |
|  | Species : Pseudokirchnerella subcapitata   |
|  | Duration of exposure : 72 h  |
|  |  |
| DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 15)   | LC50 > 1000 mg/l   |
| Fish toxicity :  | Duration of exposure : 96 h  |
|  |  |
| Crustacean toxicity :  | EC50 > 1000 mg/l   |
|  | Species : Daphnia magna  |
|  | Duration of exposure : 48 h  |
|  | NOEC = 125 mg/l  |
|  | Species : Daphnia magna  |
|  | Duration of exposure : 21 jours  |
|  |  |
| Algae toxicity :   | NOEC = 100 mg/l  |
|  | Duration of exposure : 72 h  |
|  |  |
| Aquatic plant toxicity :   | ECr50 = 1000 mg/l  |
|  | Duration of exposure : 72 h  |
| <ul> <li>12.1.2. Mixtures</li> <li>No aquatic toxicity data available for the mixture.</li> <li>12.2. Persistence and degradability</li> </ul> |  |
|  |  |
| 12.2.1. Substances   |  |
| DISTILLATES (PETROLEUM), HYDROTREATED HE   |  |
| Biodegradability :   | Non-rapidly degradable.  |
| LUBRICATING OILS (PETROLEUM), C20-50, HYDRO  | DTREATED NEUTRAL OIL-BASED (CAS: 72623-87-1)   |
| Biodegradability :   | no degradability data is available, the substance is considered as not                 |
|  | degrading quickly.   |
|  |  |
| DISTILLATES (PETROLEUM), HYDROTREATED HE<br>Biodegradability :   | no degradability data is available, the substance is considered as not                 |
| Diouegradability.  | degradability data is available, the substance is considered as not degrading guickly. |
|  |  |
| LUBRICATING OILS (PETROLEUM), C15-30, HYDRO  | DTREATED NEUTRAL OIL-BASED (CAS: 72623-86-0)   |
| Biodegradability :   | no degradability data is available, the substance is considered as not                 |
|  | degrading quickly.   |
| DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 15)   | 7707-86-3)   |
| Biodegradability :   | Non-rapidly degradable.  |
|  | · · · · · · · · · · ·  |
| 12.3. Bioaccumulative potential  |  |
| 12.3.1. Substances   |  |
| DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 15  | 7707-86-3)   |
| Octanol/water partition coefficient :  | log Koe > 10   |
| 12.4 Mahility in sail  |  |
| 12.4. Mobility in soil   |  |
| Not very mobile in soil.<br>The product is insoluble in water and will spread on the   | surface  |
|  | Sunauc   |

# 12.5. Results of PBT and vPvB assessment

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No data available.

## 12.6. Endocrine disrupting properties

No data available.

#### 12.7. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

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

WGK 1 : Slightly 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.

# **SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

- 14.1. UN number or ID 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. 2021/643 (ATP 16)
  - EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)
- Container information:
  - No data available.
- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) : WGK 1 : Slightly hazardous for water.

# 15.2. Chemical safety assessment

Product is not classified health and environmental hazard. Exposure scenarios are not required.

# **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.                      |  |
|------|--|--|
| H317 | May cause an allergic skin reaction.                               |  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |  |

# Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

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 : Wassergefahrdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.