

**DURCISSEUR SIPACRYL**



**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 : DURCISSEUR SIPACRYL

UFI : 175D-C0JY-Q002-R6MU

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

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

Registered company name : C.O.P..

Address : 230b Route des Bouveries.26190.SAINT NAZAIRE EN ROYANS.FRANCE.

Telephone : +33.(0)4.75.48.77.20. Fax : .

contact@cop-chimie.com

www.cop-chimie.com

**1.4. Emergency telephone number : 1-813-248-0585.**

Association/Organisation : Velocity EHS.

**Other emergency numbers**

North America : 1-800-255-3924

Australia : 1-300-954-583

Brazil : 0-800-591-6042

China : 400-120-0751

India : 000-800-100-4086

Mexico : 800-099-0731

International : 1-813-248-0585

**SECTION 2 : HAZARDS IDENTIFICATION**

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

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

Self-reactive substance, Type D (Self-react. D, H242).

Organic peroxide, Type D (Org. Perox. D, H242).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

**2.2. Label elements**

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

Hazard pictograms :



GHS09



GHS02



GHS07

Signal Word :

DANGER

Product identifiers :

EC 202-327-6

DIBENZOYL PEROXIDE

Hazard statements :

H242

Heating may cause a fire.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P234

Keep only in original packaging.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

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|                                       |                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P264                                  | Wash hands and contaminated skin thoroughly after handling.                                                                      |
| P273                                  | Avoid release to the environment.                                                                                                |
| Precautionary statements - Response : |                                                                                                                                  |
| P305 + P351 + P338                    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P333 + P313                           | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| Precautionary statements - Storage :  |                                                                                                                                  |
| P403                                  | Store in a well-ventilated place.                                                                                                |
| P410                                  | Protect from sunlight.                                                                                                           |

**2.3. Other hazards**

In use, may form flammable/explosive dust-air mixture.

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.

The mixture does not contain substances  $\geq 0.1\%$  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                                                                                  | Classification (EC) 1272/2008                                                                                                                                              | Note | %                   |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------|
| CAS: 94-36-0<br>EC: 202-327-6<br><br>DIBENZOYL PEROXIDE                                         | GHS07, GHS09, GHS01, GHS02<br>Dgr<br>241.P<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 | [1]  | 50 $\leq$ x % < 100 |
| CAS: 94-49-5<br>EC: 202-338-6<br>REACH: 17-2120220291-73-0000<br><br>DIBENZOATE ETHYLENE GLYCOL | GHS09<br>Aquatic Chronic 2, H411                                                                                                                                           |      | 25 $\leq$ x % < 50  |

**Information on ingredients :**

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

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

**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 splashes or contact with eyes :**

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

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**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.

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

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.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

**5.1. Extinguishing media**

Keep packages cool when in the vicinity of flames.

In the event of a fire nearby a peroxide storage area, evacuate the warehouse and move the peroxide containers to a safe place.

If this is not possible, the warehouse needs to be sprayed to prevent stock from heating and fire from spreading.

**Suitable methods of extinction**

In the event of a fire, use :

- water

In the event of a fire, use water except when fighting a fire caused by sodium peroxide where anhydrous sodium carbonate or dry sand should be used.

Carbon dioxide or dry powder extinguishers can be used if the fire is in its initial phase.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

**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 (CO<sub>2</sub>)

**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.

In the event of fire, all personnel handling the fire must wear protective clothing and independent 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**

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

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

Do not use combustible cloths or materials.

The residue will be stored in non-combustible containers that are not hermetically sealed.

Clean the contaminated area with water.

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

**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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

**Fire prevention :**

Prevent access by unauthorised personnel.

**DURCISSEUR SIPACRYL****Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling dust.

Avoid skin and eye contact with this mixture.

Handle at a temperature 10°C below the self-accelerating decomposition temperature (SADT).

Do not perform transfer operations under pressure; this could cause the peroxide to heat.

Do not use an external heat source to bring the product to room temperature, to prevent the formation of a hot spot.

The equipment used for handling the product must be made of compatible material, instruments used must therefore be made of stainless steel, non-pigmented polyethylene or polypropylene.

**Prohibited equipment and procedures :**

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

Never open the packages under pressure.

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

No data available.

**Storage**

Keep the container tightly closed in a dry place.

Store away from light and heat, since these factors favour peroxidation.

Store in inert atmosphere (e.g. under nitrogen).

Store in clean, unoxidised containers.

Ensure that the container is fully sealed to avoid evaporation of the solvent or product stored, which would cause a concentration of peroxides in the recipient.

The storage area must be indicated by signs bearing the 'Oxidising' symbol and have signs prohibiting smoking.

**Packaging**

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

Only store in original packaging.

If decanting, ensure that the material on the new packaging is compatible with the properties of peroxide.

Make sure there is a ventilation hole in packaging containers, to prevent overpressure. A temperature indicator is also useful.

Suitable packaging materials :

- Aluminium
- Polyethylene

Unsuitable packaging materials :

- Galvanised metals
- Steel
- Copper
- Lead
- Zinc

**7.3. Specific end use(s)**

No data available.

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

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

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/m3 |        |           | A4           |            |

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

| CAS     | VME : | VME :    | Excess | Notes |
|---------|-------|----------|--------|-------|
| 94-36-0 |       | 5E mg/m3 |        | 1(I)  |

- Belgium (Royal decree of 11/05/2021) :

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/m3 |        |           |              |            |

- Canada / Alberta (Occupational health and safety code, 2009) :

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/m3 |        |           |              |            |

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- Canada / British Colombia (2009) :

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/m3 |        |           |              |            |

- Canada / Quebec (Regulations on occupational health and safety) :

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/m3 |        |           |              |            |

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

| CAS     | VME-ppm : | VME-mg/m3 : | VLE-ppm : | VLE-mg/m3 : | Notes : | TMP No : |
|---------|-----------|-------------|-----------|-------------|---------|----------|
| 94-36-0 | -         | 5           | -         | -           | -       | -        |

- Switzerland (Suva 2021) :

| CAS     | VME   | VLE   | Valeur plafond | Notations |
|---------|-------|-------|----------------|-----------|
| 94-36-0 | 5 ppm | 5 ppm |                |           |

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

| CAS     | TWA :   | STEL : | Ceiling : | Definition : | Criteria : |
|---------|---------|--------|-----------|--------------|------------|
| 94-36-0 | 5 mg/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.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Prescription glasses are not considered as protection.

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 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.

#### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

These clothes shall be chosen to ensure there is no inflammation or irritation of the skin at the neck and wrist by contact with the powder

Suitable type of protective clothing :

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1/A1 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.

#### - Respiratory protection

Avoid inhaling dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

#### Physical state

Physical state : Powder or dust.

#### Colour

Unspecified

#### Odour

Odour threshold : Not stated.

**DURCISSEUR SIPACRYL****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 : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : 400 °C.

**Decomposition temperature**

Decomposition point/decomposition range : Not relevant.

**pH**

pH (aqueous solution) : Not stated.

pH : Not relevant.

**Kinematic viscosity**

Viscosity : Not stated.

**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 : &gt; 1

**Relative vapour density**

Vapour density : Not stated.

**Particle characteristics**

The mixture does not contain nanoforms.

**9.2. Other information**

No data available.

**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.

Mixture which detonates partially, but does not deflagrate fast and does not react violently when heated under confinement.

Mixture which does not detonate, but deflagrates slowly and does not react violently when heated under confinement.

Mixture which neither detonates nor deflagrates, but reacts moderately when heated under confinement.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :

- heating

- heat

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- formation of dusts
- May decompose under the effect of heat.  
Dusts can form an explosive mixture with air.

**10.5. Incompatible materials**

- Keep away from :
- combustible material

**10.6. Hazardous decomposition products**

- The thermal decomposition may release/form :
- carbon monoxide (CO)
  - carbon dioxide (CO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.  
May cause an allergic reaction by skin contact.

**11.1.1. Substances**

- No toxicological data available for the substances.

**11.1.2. Mixture**

- No toxicological data available for the mixture.

**11.2. Information on other hazards****Monograph(s) from the IARC (International Agency for Research on Cancer) :**

- CAS 94-36-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

**SECTION 12 : ECOLOGICAL INFORMATION**

- Very toxic 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****DIBENZOYL PEROXIDE (CAS: 94-36-0)**

Fish toxicity :

LC50 = 0.06 mg/l

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 0.11 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 0.071 mg/l

Duration of exposure : 72 h

**12.1.2. Mixtures**

- No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability****12.2.1. Substances****DIBENZOYL PEROXIDE (CAS: 94-36-0)**

Biodegradability :

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

**12.3. Bioaccumulative potential****12.3.1. Substances****DIBENZOYL PEROXIDE (CAS: 94-36-0)**

Octanol/water partition coefficient :

log K<sub>ow</sub> = 3.2

**12.4. Mobility in soil**

- No data available.

**12.5. Results of PBT and vPvB assessment**

- No data available.

**DURCISSEUR SIPACRYL****12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**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, 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**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2023 - IMDG 2022 [41-22] - ICAO/IATA 2023 [64]).

**14.1. UN number or ID number**

3106

**14.2. UN proper shipping name**

UN3106=ORGANIC PEROXIDE TYPE D, SOLID

(dibenzoyl peroxide)

**14.3. Transport hazard class(es)**

- Classification :



5.2

**14.4. Packing group**

-

**14.5. Environmental hazards**

- Environmentally hazardous material :

**14.6. Special precautions for user**

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ    | Provis. | EQ | Cat. | Tunnel |
|---------|-------|------|----------|-------|--------|-------|---------|----|------|--------|
|         | 5.2   | P1   | -        | 5.2   | -      | 500 g | 122 274 | E0 | 2    | D      |

| IMDG | Class | 2°Label | Pack gr. | LQ    | EMS      | Provis. | EQ | Stowage Handling | Segregation    |
|------|-------|---------|----------|-------|----------|---------|----|------------------|----------------|
|      | 5.2   | -       | -        | 500 g | F-J. S-R | 122 274 | E0 | Category D SW1   | SG35 SG36 SG72 |

| IATA | Class | 2°Label | Pack gr. | Passager  | Passager  | Cargo | Cargo | note     | EQ |
|------|-------|---------|----------|-----------|-----------|-------|-------|----------|----|
|      | 5.2   | -       | -        | 570       | 5 kg      | 570   | 10 kg | A20 A802 | E0 |
|      | 5.2   | -       | -        | Forbidden | Forbidden | -     | -     | A20 A802 | E0 |

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(dibenzoyl peroxide)

**DURCISSEUR SIPACRYL****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****Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

**Container information:**

No data available.

**Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

**Explosives precursors :**

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

**Particular provisions :**

No data available.

**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 :**

|      |                                                       |
|------|-------------------------------------------------------|
| H241 | Heating may cause a fire or explosion.                |
| H317 | May cause an allergic skin reaction.                  |
| H319 | Causes serious eye irritation.                        |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |

**Abbreviations and acronyms :**

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.

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

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

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).

GHS02 : Flame

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.