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

1.1 Product identifier
Trade Name: Fosfato UV WS Reagent R1
Article n°: 3040XXX
MS: 80115310196

1.2 Relevant identified uses of the substance or mixture and uses advised against
Reagent for *in-vitro* diagnostics in human samples
For professional use only.

1.3 Manufacturer
Kovalent do Brasil Ltda.
Rua Cristóvão Sardinha, 110 – Jd. Bom Retiro – São Gonçalo – RJ – Brasil.
Tel: +(55 21) 2623-1367
e-mail: kovalent@kovalent.com.br

1.4 Emergency telephone number
Tel: +(55 21) 2623-1367 – Costumer Service from 8am to 5pm
0800 015 1414

In case of emergency – 24 hours service
0800-722-6001 – RENACIAT (Rede Nacional de Centros de Informação e Assistência Toxicológica)

2 Hazards Identification

2.1 Classification of the substance or mixture
Classification according to ABNT NBR 14725
Met. Corr. 1; H290 May be corrosive to metals.

2.2 Label elements
Labelling (GHS)

Hazard statements:	H290	May be corrosive to metals.
Precautionary statements:	P234	Keep only in original packaging.
	P280	Wear protective gloves/protective clothing/eye protection.
	P390	Absorb spillage to prevent material damage.

2.3 Other hazards
A corrosive effect cannot be ruled out because of the pH value.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

3 Composition/information on ingredients

3.1 Substances
Not applicable

3.2 Mixtures
Chemical characterization: Aqueous solution.

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 231-639-5 CAS 7664-93-9	Sulfuric acid	< 2 %	Met. Corr. 1; H290. Skin Corr. 1A; H314. Specific concentration limits (SCL):

			Skin Corr. 1A; H314: C ≥ 15 % / Skin Irrit. 2; H315: 5 % ≤ C < 15 % / Eye Irrit. 2; H319: 5 % ≤ C < 15 %
EC No. 500-002-6 CAS 9002-92-0	Dodecan-1-ol, ethoxylated	< 1 %	Acute Tox. 4; H302. Eye Dam. 1; H318. Aquatic Chronic 3; H412.

Full text of H- and EUH-statements: see section 16.

4 First aid measures

4.1 Description of first aid measures

In case of inhalation: Move victim to fresh air. If you feel unwell, seek medical advice.

Following skin contact: Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water.
Cover with sterile dressing material to protect against infection. Seek medical attention.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Do not induce vomiting. Do not try to neutralize. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

A corrosive effect cannot be ruled out because of the pH value. Can cause skin, eye and respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In the event of a fire, the following may be produced when the water evaporates: Sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters: In case of surrounding fires: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Do not allow fire water to penetrate into surface or ground water.

6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Provide adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

6.4 Reference to other sections
Refer additionally to section 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Wear appropriate protective equipment. Do not breathe mist/vapours/spray.
Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at workplace.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Keep containers tightly closed and at a temperature between 2 °C and 8 °C. Keep sterile.
Do not freeze.
Unsuitable materials: metals
Keep only in original container.

Hints on joint storage: Do not store together with: Alkali compounds, ammonia, alkalis.
Keep away from food, drink and animal feeding stuffs.

Storage class: 8B = Non-combustible corrosive substances

7.3 Specific end use(s)
No information available.

8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7664-93-9	Sulfuric acid	Europe: IOELV: TWA	0,05 mg/m³
		Germany: DFG Kurzzeit	0,1 mg/m³ (inhalable fraction)
		Germany: DFG Langzeit	0,1 mg/m³ (inhalable fraction)
		Germany: DFG Spitzenbegrenzung	0,2 mg/m³ (inhalable fraction)
		Germany: TRGS 900 Kurzzeit	0,1 mg/m³ (inhalable fraction)
		Germany: TRGS 900 Langzeit	0,1 mg/m³ (inhalable fraction)

8.2 Exposure controls
Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment
Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.
Use filter type (A-P2) according to EN 14387.

Hand protection: Protective gloves according to EN 374.

Glove material: Nitrile rubber. Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Avoid contact with skin and eyes. Do not breathe mist/vapours/spray. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at workplace.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

9 Physical and chemical properties

Physical state at 20 °C and 101.3 kPa:	liquid
Colour:	colourless, clear
Odour:	like soap
Odour threshold:	No data available
pH:	at 25 °C: 0.8
Melting point/freezing point:	approx. 0 °C (Water)
Initial boiling point and boiling range:	approx. 100 °C (Water)
Flash point/flash point range:	not combustible
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.015 g/mL
Water solubility:	at 20 °C: completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Particle characteristics:	Not applicable
Explosive properties:	No data available
Oxidizing characteristics:	No data available
Additional information:	No data available

10 Stability and reactivity

10.1 Reactivity
May be corrosive to metals. Formation of hydrogen (Danger of explosion).

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid
Keep away from heat.

10.5 Incompatible materials
Alkali metals, alkali compounds, ammonia, alkalis, alkaline earth metals, alkaline earth compounds, acids, halogenates, organic solvents, permanganates.

10.6 Hazardous decomposition products
No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

11 Toxicological information

Acute toxicity (oral):	Lack of data.
Acute toxicity (dermal):	Lack of data.
Acute toxicity (inhalative):	Lack of data.
Skin corrosion/irritation:	Lack of data.
Serious eye damage/irritation:	Lack of data.
Sensitisation to the respiratory tract:	Lack of data.
Skin sensitisation:	Lack of data.
Germ cell mutagenicity/Genotoxicity:	Lack of data.
Carcinogenicity:	Lack of data.
Reproductive toxicity:	Lack of data.
Effects on or via lactation:	Lack of data.
Specific target organ toxicity (single exposure):	Lack of data.
Specific target organ toxicity (repeated exposure):	Lack of data.
Aspiration hazard:	Lack of data.
Endocrine disrupting properties:	No data available
Symptoms:	A corrosive effect cannot be ruled out because of the pH value. Can cause skin, eye and respiratory tract irritation

12 Ecological information

12.1 Toxicity
Aquatic toxicity: Harmful effects on water organisms by modification of pH-value.
Water hazard class: 1 - Slightly hazardous to water

12.2 Persistence and degradability
Further details: No data available

12.3 Bioaccumulative potential
Partition coefficient: n-octanol/water: No data available

12.4 Mobility in soil
No data available

12.5 Other adverse effects
General information: Do not allow to enter into groundwater, surface water or drains.

13 Disposal considerations

13.1 Waste treatment methods
Product: Special waste. Dispose of waste according to applicable legislation.

Package: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

Additional information: Do not reuse empty containers.

14 Transport information

14.1 UN number
ADR/RID, IMDG, IATA, ANTT: UN 3264

14.2 UN proper shipping name
ADR/RID, IMDG, IATA, ANTT: UN 3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid mixture)

14.3 Transport hazard class(es)
ADR/RID: Class 8, Code: C1
IMDG: Class 8, Subrisk -
IATA: Class 8
ANTT: Class 8

14.4 Risk Number
–

14.5 Packing group
ADR/RID, IMDG, IATA, ANTT: III

14.6 Environmental hazards
Dangerous for the environment: Substance/mixture is not environmentally hazardous according to regulations.
Marine pollutant: No

14.7 Special precautions for user

Land transport (ARD/RID)

Warning board: ADR/RID:	Kemmler-number 80, UN number UN 3264
Hazard label:	8
Special Provisions:	274
Limited quantities:	5L
EQ:	E1
Package - Instructions:	P001 IBC03 LP01 R001
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T7
Portable tanks - Special Provisions:	TP1 TP28
Tank coding:	L4BN
Tunnel restriction code:	E

Inland waterway craft (ADN)

Hazard label:	8
Special Provisions:	274
Limited quantities:	5L
EQ:	E1
Transport permitted:	T
Equipment necessary:	PP - EP

Sea transport (IMDG)

EmS:	F-A, S-B
Special Provisions:	223 274
Limited quantities:	5L
Excepted quantities:	E1
Package - Instructions:	P001, LP01
Package - Provisions:	-
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T7
Tank instructions - Provisions:	TP1, TP28
Stowage and handling:	Category A. SW2
Segregation:	SG36 SG49

Properties and observations:	Causes burns to skin, eyes and mucous membranes.
Segregation group:	1

Air transport (IATA)

Hazard label:	Corrosive
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft:	Pack.Instr. Y841 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft:	Pack.Instr. 852 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only:	Pack.Instr. 856 - Max. Net Qty/Pkg. 60 L
Special Provisions:	A3 A803
Emergency Response Guide-Code (ERG):	8L

15 Regulatory information

• Product produced in accordance with the requirements established by RDC 665 of 30/03/2022 and with labeling information in accordance with RDC 206 of 17/11/2006.

• For more details on product disposal refer to RDC 222 of 28/03/2018 and NBR 10004.

• This safety data sheet was prepared in accordance with ABNT/NBR 14725:23.

16 Other information

The above information is considered correct but is not intended to be complete and should be used only as a guide. Kovalent is not responsible for any damage resulting from handling or use.

In article XXX: The three X are for the volume.

Wording of the H-phrases under paragraph 2 and 3:
H290 = May be corrosive to metals.
H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
H318 = Causes serious eye damage.
H412 = Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:
Acute Tox.: Acute toxicity
ABNT: Associação Brasileira de Normas Técnicas / National Standards Forum
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic: Hazardous to the aquatic environment - chronic
ANTT: Agência Nacional de Transporte Terrestre / National Agency of Transportation by Road
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
GHS: Globally Harmonized System
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
Met. Corr.: Corrosive to metals
MS: Anvisa's Registry Code
NBR: Brazilian technical ordinance

OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
pH: Potential of Hydrogen
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
RDC: Resolution from the Directory Board
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
WEL: Workplace Exposure Limit

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

1.1 Product identifier
Trade Name: Fosfato UV WS Reagent R2
Article n°: 3040XXX
MS: 80115310196

1.2 Relevant identified uses of the substance or mixture and uses advised against
Reagent for *in-vitro* diagnostics in human samples
For professional use only.

1.3 Manufacturer
Kovalent do Brasil Ltda.
Rua Cristóvão Sardinha, 110 – Jd. Bom Retiro – São Gonçalo – RJ – Brasil.
Tel: +(55 21) 2623-1367
e-mail: kovalent@kovalent.com.br

1.4 Emergency telephone number
Tel: +(55 21) 2623-1367 – Costumer Service from 8am to 5pm
0800 015 1414

In case of emergency – 24 hours service
0800-722-6001 – RENACIAT (Rede Nacional de Centros de Informação e Assistência Toxicológica)

2 Hazards Identification

2.1 Classification of the substance or mixture
Classification according to ABNT NBR 14725
This mixture is classified as not hazardous.

2.2 Label elements
Labelling (GHS)

Hazard statements:	Not applicable
Precautionary statements:	Not applicable

2.3 Other hazards
No risks worthy of mention.
Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

3 Composition/information on ingredients

3.1 Substances
Not applicable

3.2 Mixtures

Chemical characterization:	Aqueous solution.
Additional information:	The product does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation. Contains in traces Molybdenum.

4 First aid measures

4.1 Description of first aid measures

In case of inhalation:	Provide fresh air. If you feel unwell, seek medical advice.
Following skin contact:	Change contaminated clothing. Remove residues with water. In case of skin irritation, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Do not induce vomiting without medical advice. Seek medical attention.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
After eye contact: mild irritant.

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

5 Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

5.2 Special hazards arising from the substance or mixture
Fires in the immediate vicinity may cause the development of dangerous vapours.

5.3 Advice for firefighters
Special protective equipment for firefighters: Wear a self-contained breathing apparatus.

Additional information: Do not allow fire water to penetrate into surface or ground water.

6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures
Avoid contact with eyes. Provide adequate ventilation. Wear appropriate protective equipment.

6.2 Environmental precautions
Do not allow to penetrate groundwater, surface water or drains.

6.3 Methods and material for containment and cleaning up
Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

6.4 Reference to other sections
Refer additionally to section 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling
Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with eyes. Wear appropriate protective equipment. Wash hands before breaks and after work. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storerooms and containers:
Keep containers tightly closed and at a temperature between 2 °C and 8 °C. Keep sterile. Do not freeze.
Storage class: 12 = Non-combustible liquids

7.3 Specific end use(s)
No information available.

8 Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls
Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment
Occupational exposure controls

Respiratory protection:	Provide adequate ventilation.
Hand protection:	Protective gloves according to EN 374.
Glove material:	Nitrile rubber. Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.

General protection and hygiene measures:
Avoid contact with eyes. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

Environmental exposure controls
Refer to "6.2 Environmental precautions".

9 Physical and chemical properties

Physical state at 20 °C and 101.3 kPa:	liquid
Colour:	colourless, clear
Odour:	odourless
Odour threshold:	No data available
pH:	at 25 °C: 4.8
Melting point/freezing point:	approx. 0 °C (Water)
Initial boiling point and boiling range:	approx. 100 °C (Water)
Flash point/flash point range:	not combustible
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.001 g/mL
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	No data available

Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Particle characteristics:	Not applicable
Oxidizing characteristics:	No data available
Additional information:	No data available

10 Stability and reactivity

10.1 Reactivity
Refer to 10.3

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known.

10.4 Conditions to avoid
Protect from excessive heat.

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

11 Toxicological information

Acute toxicity (oral):	Lack of data.
Acute toxicity (dermal):	Lack of data.
Acute toxicity (inhalative):	Lack of data.
Skin corrosion/irritation:	Lack of data.
Serious eye damage/irritation:	Lack of data.
Sensitisation to the respiratory tract:	Lack of data.
Skin sensitisation:	Lack of data.
Germ cell mutagenicity/Genotoxicity:	Lack of data.
Carcinogenicity:	Lack of data.
Reproductive toxicity:	Lack of data.
Effects on or via lactation:	Lack of data.
Specific target organ toxicity (single exposure):	Lack of data.
Specific target organ toxicity (repeated exposure):	Lack of data.
Aspiration hazard:	Lack of data.
Endocrine disrupting properties:	No data available
Symptoms:	After eye contact: mild irritant.

12 Ecological information

12.1 Toxicity
Aquatic toxicity: No data available
Water hazard class: 1 - Slightly hazardous to water

12.2 Persistence and degradability
Further details: No data available

12.3 Bioaccumulative potential
Partition coefficient: n-octanol/water: No data available

12.4 Mobility in soil
No data available

12.5 Other adverse effects
General information: Do not allow to enter into groundwater, surface water or drains.

13 Disposal considerations

13.1 Waste treatment methods
Product: Special waste. Dispose of waste according to applicable legislation.

Package: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

Additional information: Do not reuse empty containers.

14 Transport information

14.1 UN number
ADR/RID, IMDG, IATA, ANTT: Not applicable

14.2 UN proper shipping name
ADR/RID, IMDG, IATA, ANTT: Not restricted

14.3 Transport hazard class(es)
ADR/RID: Not applicable
IMDG: Not applicable
IATA: Not applicable
ANTT: Not applicable

14.4 Risk Number
–

14.5 Packing group
ADR/RID, IMDG, IATA, ANTT: Not applicable

14.6 Environmental hazards
Dangerous for the environment: Substance/mixture is not environmentally hazardous according to regulations
Marine pollutant: No

14.7 Special precautions for user
No dangerous good in sense of these transport regulations.

15 Regulatory information

- Product produced in accordance with the requirements established by RDC 665 of 30/03/2022 and with labeling information in accordance with RDC 206 of 17/11/2006.

- For more details on product disposal refer to RDC 222 of 28/03/2018 and NBR 10004.

- This safety data sheet was prepared in accordance with ABNT/NBR 14725:23.

16 Other information

The above information is considered correct but is not intended to be complete and should be used only as a guide. Kovalent is not responsible for any damage resulting from handling or use.

In article XXX: The three X are for the volume.

Abbreviations and acronyms:
ABNT: Associação Brasileira de Normas Técnicas / National Standards Forum
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ANTT: Agência Nacional de Transporte Terrestre / National Agency of Transportation by Road
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
EU: European Union
GHS: Globally Harmonized System
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
MS: Anvisa's Registry Code
NBR: Brazilian technical ordinance
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
pH: Potential of Hydrogen
PNEC: Predicted no-effect concentration
RDC: Resolution from the Directory Board
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TRGS: Technical Rules for Hazardous Substances
UN: United Nations