

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

### 1.1 Product identifier

Trade Name: Colesterol WS

Article n°: 1020XXX

MS: 80115310195

### 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](mailto:kovalent@kovalent.com.br)

### 1.4 Emergency telephone number

Tel: +(55 21) 2623-1367 – Customer 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.

## 3 Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical characterization: Aqueous solution of inorganic salts and organic compounds.

Additional information: The product does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation.  
Contains Sodium azide (0,95 g/L) as preservative.

## 4 First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical aid in case of troubles.

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 eye irritation consult an ophthalmologist.

After swallowing: Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Have victim drink large quantities of water, with active charcoal if possible. Never give anything by mouth to an unconscious person. Seek medical attention.

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

The product can cause irritation of the eyes.  
May cause skin irritation in susceptible persons.

#### 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: nitrogen oxides (NO<sub>x</sub>), sulphur oxides, carbon monoxide and carbon dioxide.

### 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 skin, eyes, and clothing. Wear appropriate protective equipment.  
In enclosed areas: Provide fresh air.

### 6.2 Environmental precautions

Do not allow to penetrate soil, waterbodies, 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.  
Keep all containers, equipment and working place clean. 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. Protect from light.

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

Storage Class: 12 = Non-combustible liquids

### 7.3 Specific end use(s)

No information available.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Provide for good ventilation or exhaust system in the work area.

#### Personal protection equipment

##### Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection.  
Use combination filter type A/P 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, eyes and clothing. Change contaminated clothing.  
Do not breathe vapours. 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

Color: reddish

Odour: like phenol

Odour threshold: No data available

pH: at 25 °C: 6.70

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

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: 1.0050 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
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

Refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reaction known.

### 10.4 Conditions to avoid

Protect against heat / sun rays. Protect from frost.

### 10.5 Incompatible materials

Acids, alkalis

### 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

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral):	Based on available data, the classification criteria are not met.
Acute toxicity (dermal):	Lack of data.
Acute toxicity (inhalative):	Lack of data.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
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):	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	Lack of data.
Aspiration hazard:	Lack of data.

Endocrine disrupting properties: No data available

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## Symptoms:

Contains Sodium azide (0,95 g/L):

After resorption of toxic quantities: headache, dizziness, nausea, cough, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.

## 12 Ecological information

### 12.1 Toxicity

Aquatic toxicity:

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 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

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### 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  
CNS: Central Nervous System  
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  
pH: Potential of Hydrogen  
PBT: Persistent, bioaccumulative and toxic  
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