

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: ALCOOL ISOPROPILICO RHODIA

Revisão: 07

Data: 28/06/2021

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1 - Identificação

Nome do Produto: ALCOOL ISOPROPILICO RHODIA

Número da FDS: 550

Comercializado por: Morais de Castro Comércio e Importação de Produtos Químicos Ltda.

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1.1-Outras maneiras de identificação:

Substance/Mixture Uses

- Solvent for paints, varnishes, thinners, removers, adhesives
- Perfumes, Fragrances
- Cosmetics

Uses not recommended

- Food additive
- Medicinal products

1.2-Usos recomendados do produto químico e restrições de uso:

2 - Identificação de perigos

2.1 Classification of the substance or mixture

Classification according to NBR 14725-2

Flammable Liquids, Category 2 H225: Highly flammable liquid and vapour.

Eye irritation, Category 2A H319: Causes serious eye irritation.

Specific target organ systemic toxicity - single exposure Category 3 H336: May cause drowsiness or dizziness. (Central nervous system)

2.2 Label elements

Labeling according to NBR 14725-3

Pictogramas:



Warning word

- Danger

Danger phrases

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness

Precautionary Phrases

Prevention

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- P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke.
- P233 Keep container tightly closed.
- P242 Only use non-sparking tools.
- P241 Use explosion-proof electrical/ventilation/lighting equipment.
- P261 Avoid inhaling dust/fume/gas/mist/vapours/aerosols.
- P280 Wear protective gloves/eye protection/face protection.
- P264 Wash face, hands and exposed skin thoroughly after handling.

Emergency response

- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, contact a TOXOLOGICAL INFORMATION CENTER/doctor.
- P305 + P351 + P338 IF IN EYES: Rinse carefully with water for several minutes. If you wear contact lenses, remove them if easy. Keep rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water.
- P301 + P312 IF SWALLOWED: If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER/doctor.
- P370 + P378 In case of fire: For extinction, use dry sand, dry chemical or alcohol resistant foam.
- P391 Collect spilled material.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P410 Keep away from sunlight.

Discard

- P501 Dispose of contents/container to an approved waste treatment facility.

2.3 Other hazards that do not result in classification

None known.

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3 - Composição e Informações sobre os ingredientes

3.1 Substance

- Chemical name 2-propanol
- Synonyms Isopropyl Alcohol
- CAS No. 67-63-0
- Index No. 603-117-00-0
- EINECS No. 200-661-7

Information on components and impurities

Chemical name 2-propanol

CAS No. 67-63-0

Classification according to NBR 14725-2 Flammable Liquids, Category 2; H225. Eye irritation, Category 2A; H319. Specific target organ systemic toxicity - single exposure Category 3; H336

Concentration [%] ≥ 99 - ≤ 100

For the full text of the hazard statements mentioned in this section, see section 16.

3.2 Mixing

- Not applicable, this product is a substance.

4 - Medidas de primeiros-socorros

4.1 Description of first aid measures

In case of inhalation

- Quickly guide the person away from the contaminated area. Get the affected person to rest.
- Consult the doctor.
- Show this chart to the doctor.
- Be prepared to provide first aid or medical support if necessary.

In case of skin contact

- Rinse immediately with plenty of water for at least 15 minutes.
- Wear suitable personal protective equipment when treating an infected person.
- In case of inflammation (redness, irritation, ...), seek medical attention.
- Show this chart to the doctor.
- Be prepared to provide first aid or medical support if necessary.

In case of eye contact

- Wash immediately with running water and also under the eyelids for at least 15 minutes.
- Keep eyes wide open while rinsing.
- Show this chart to the doctor.
- Always seek medical attention, even if there are no symptoms.
- Be prepared to provide first aid or medical support if necessary.

In case of ingestion

- DO NOT induce vomiting.
- Consult the doctor.
- Show this chart to the doctor.
- Do not give anything to drink.
- Be prepared to provide first aid or medical support if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Effects

- Chronic exposure can cause dermatitis.
- May cause irreversible eye damage.
- eye loss
- Exposure can cause drowsiness, dizziness, headache, nausea, unconsciousness

Symptoms

- Redness
- Tissue swelling
- Nausea
- Somnolence
- Vertigo
- Headache
- Unconsciousness
- Causes skin burns.
- tearing
- Conjunctivitis
- Causes eye burns.

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4.3 Indication of immediate medical attention and special treatment needed

Notes to doctor

- Take the victim to hospital if symptoms persist.
- See a doctor.
- Burns must be treated by a doctor.
- Treat according to symptoms.
- Contact the poison control center.
- Maintain medical follow-up for at least 48 hours.

5 - Medidas de combate a incêndio

5.1 Means of extinction

Appropriate means of extinction

- Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Inappropriate extinguishing agents

- High flow water jet

5.2 Special hazards arising from the substance or mixture

- Highly flammable liquid
- Heating increases the pressure inside the container, risk of explosion.
- Vapors can form explosive mixtures with air.
- In a fire situation:
 - will burn
- In case of combustion, there is release of toxic gases

5.3 Precautions for firefighters

Special equipment to protect people involved in fire fighting.

- Wear self-contained breathing apparatus in case of fire.
- Personal protective equipment: suitable protective gloves, safety glasses and protective clothing
- For more information, see section 8: "Exposure controls and personal protection".

Specific methods for fighting fires

- Cool containers/tanks by spraying them with water.
- Do not use water jet directly into the fire as it can spread the flames and spread the fire.

Additional information

- Standard procedure for chemical fires.
- Collect contaminated fire fighting water separately. It must not be sent to the drainage pipe.
- Fire residues and contaminated firefighting water must be disposed of in accordance with current local regulations.

6 - Medidas de controle para derramamento ou vazamento

6.1 Personal precautions, protective equipment and emergency procedures

- Place warning signs in the contaminated area and do not allow access by unauthorized persons.
- Avoid contact with skin and eyes.
- Keep away from flames and sparks.
- Do not breathe vapors.
- Wear personal protective equipment.
- If possible, stop the leak. If indicated, position damaged containers so that the leak point is upwards.
- Where the exposure level is not known or the tolerance limit has been exceeded, use a positive pressure self-contained respirator.
- Where the exposure level is known, wear an approved respirator suitable for the exposure level.
- In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear waterproof boots.

6.2 Environmental precautions

- If possible, stop the leak. If indicated, position damaged containers so that the leak point is upwards.
- Make a dam to contain the spilled liquid.
- Do not allow the product to enter drains.
- Do not allow the product to be disposed of without environmental control.

6.3 Methods and materials for containment and cleaning

- Flammable product. Take all necessary precautions. Backfill equipment and containers.
- Remove all sources of ignition.
- Contain the leak if it can be done safely.
- Keep in properly labeled containers.
- Keep in suitable closed containers until disposal.

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- Wash non-recoverable residue with plenty of water.
- Soak in inert and absorbent material and dispose of as hazardous waste.
- Decontaminate tools, equipment or personal protective equipment in a segregated area.
- Make the disposition observing in agreement with the responsible local authority.
- Never return spilled drops from the original packaging for reuse.

6.4 Consulting other sections

- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROL AND PERSONAL PROTECTION
- 13. CONSIDERATIONS ON TREATMENT AND DISPOSAL

7 - Manuseio e armazenamento

7.1 Precautions for safe handling

- Electrically ground the installation.
- Ground the container vessel and product receiver during transfers.
- Do not smoke.
- Take measures to prevent the formation of static electricity.
- Provide adequate ventilation.
- Provide sufficient air exchange and/or exhaust system in work rooms.
- Electrical installations and work material must comply with technological safety standards.
- Do not use instruments that produce sparks.
- Wear personal protective equipment.
- Avoid inhalation, ingestion and contact with skin and eyes.
- When filling or transferring the material, the containers must be connected and electrically grounded.
- This material contains flammable or combustible liquid and vapor.

Hygiene measures

- Handle in accordance with good industrial hygiene and safety practices.
- Wash hands before breaks and at the end of the working day.
- Do not eat, drink or smoke during use.
- Eye wash bottles or eye wash stations in accordance with applicable regulations.
- Ensure that eyewash stations and safety showers are close to the workplace.

7.2 Conditions for safe storage, including incompatibilities

Technical measures/Storage conditions

- The floor of the storage room must be waterproof and designed in such a way as to constitute a retention basin.
- Electrical installations and work material must comply with technological safety standards.
- Store in original container.
- Store away from direct sunlight.
- Store in a dry, cool and well-ventilated place.
- Observe the general rules for industrial fire protection.
- Areas containing this material must have fire safety practices and electrical equipment in accordance with applicable regulations and/or instructions. The standards are mainly based on the flash point of the material, but also taking into account properties such as water-mixable or toxicity. All local and national regulations must be followed. In the Americas, the National Fire Protection Association (NFPA) 30: Flammable and Combustible Liquids Code, is the globally used standard. NFPA 30 establishes storage conditions for the following classes of materials: Class I Flammable Liquids, Flash Point < 37.8 C Class II Combustible Liquids, 38.8 C< Flash Point >60 C Class IIIa Combustible Liquids, 60 C< Flash Point > 93 C Class IIIb Combustible Liquids, Flash Point >93 C
- Keep away from open flames or sources of ignition - do not smoke.

Packaging material suitable material

- Stainless steel
- Carbon steel

Inappropriate material

- Aluminum
- Plastic materials (polyethylene).

Requirements for storage areas and containers

- Protect from extreme cold, heat and sunlight.

7.3 Specific end uses

- data not available

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8 - Controle de exposição e proteção individual

8.1 Control parameters

Components with parameters to be controlled in the workplace

Components: 2-Propanol

Value Type: LT

Value: 310 ppm; 765 mg/m³

Base: NR15

Absorption also through the skin; Degree of unhealthy conditions: medium

Components: 2-Propanol

Value Type: TWA

Value: 200 ppm

Base: ACGIH Limit Values ??(TLV) in the US

Components: 2-Propanol

Value Type: STEL

Value: 400 ppm

Base: ACGIH Limit Values ??(TLV) in the US

Biological Exposure Indicators (IBE):

Components: 2-Propanol

Value Type: IBMP

Value: 40 mg/l. Acetone. Urine. End of shift at the end of the working week

Base: ACGIH - Biological Exposure Indices (IEB)

Components: 2-Propanol

Value Type: IBMP

Value: 40 mg/l. Acetone. Urine. End of shift at the end of the working week

Base: NR 7 - Occupational health medical control program

Found in populations not occupationally exposed

Non-specific (may be found by exposures to other substances)

8.2 Exposure controls

Control measures

engineering control measures

- Ensure adequate ventilation.
- Apply technical measures to comply with the occupational exposure limits.

Individual protection measures

Breath protection

- Wear a respirator with a suitable filter.
- In all cases where cartridge masks are insufficient/air or self-contained breathing apparatus in medium confined/if insufficient oxygen/in case of severe or uncontrolled fumes.
- Only use respiratory protection that complies with international/national standards.
- Respirator with steam filter (EN 141)
- Respirator with full face protection mask
- Use the indicated respiratory protection if the occupational exposure limit is exceeded.

Hand protection

- Note the manufacturer's information regarding permeability and time limit and special location conditions of work (mechanical tension, duration of contact).
- Waterproof gloves

Eye protection

- Wear chemical resistant protective goggles.
- Well-fitting safety glasses

Skin and body protection

- Waterproof clothing
- Change work clothes after each work shift.
- Contaminated work clothing must not leave the workplace.

Hygiene measures

- Handle in accordance with good industrial hygiene and safety practices.
- Wash hands before breaks and at the end of the working day.
- Do not eat, drink or smoke during use.
- Eye wash bottles or eye wash stations in accordance with applicable regulations.
- Ensure that eyewash stations and safety showers are close to the workplace.

Environmental risk controls

- Dispose of washing water in accordance with local and national regulations.

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9 - Propriedades físicas e químicas

9.1 Information on basic physicochemical properties

liquid physical state
transparent physical state
colorless color
pleasant odor
Odor Limit data not available
Melting/Freezing Point
Crystallization temperature: -87.87 °C
Melting point: -88.5°C
Freezing point: -88.5°C
Initial boiling point and boiling temperature range
Initial boiling point and boiling temperature range: 82.26 °C (1013.25 hPa)
Flammability (solid, gas) data not available
Flammability (liquids) data not available
Explosive / flammable limit
Lower explosive / flammable limit: 2.00 %(V)
Upper explosive / flammable limit: 12.00 %(V)
Flash point 11.85 °C closed cup 21 °C open cup
Auto-ignition temperature data not available
Decomposition temperature data not available
pH not applicable
Viscosity
Viscosity, dynamic: 2.4 mPa.s (20 °C)
Solubility
Solubility in water: completely miscible
Solubility in other solvents: miscible with most organic solvents
Acetone: miscible.
Benzene: miscible.
Chloroform: miscible.
Ethanol: miscible.
Diethylether: miscible.
Partition coefficient (n-octanol/water) log Pow: -0.16
Vapor pressure 44.44 hPa (20 °C)
Density 0.7837 g/cm³ (20 °C)
Relative density 0.786 (20 °C)
Relative vapor density 2.1
Particle characteristics data not available
Evaporation rate (Butyl Acetate = 1) 1.35

9.2 Other information

Oxidizing properties Non-oxidising according to EC criteria.
Auto-ignition 398.85°C
Molecular weight 60.11 g/mol

10 - Estabilidade e reatividade

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Chemical stability:

Stable under normal conditions.
Stable at room temperature.

10.3 Possibility of hazardous reactions

Dangerous reactions:

With oxidizing agents possible.

10.4 Conditions to avoid

Conditions to avoid:

Exposure to moisture.
Heat, flames and sparks.
Prevent the formation of electrostatic charges.

10.5 Incompatible materials

Materials to avoid:

Reacts violently with:
strong oxidizing agents

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Aluminum
alkali metals
Alkaline Earth Metals
perchloric acid
strong acids
Nitric acid
acid anhydrides
Hydrogen peroxide

10.6 Hazardous Decomposition Products

Decomposition products:

By combustion or thermal decomposition (pyrolysis), it releases:

Carbon oxides (CO+CO₂)

11 - Informações toxicológicas

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

2-Propanol DL50: 5,840 mg/kg - Rat

Method: OECD Test Guideline 401

Not classified as hazardous for acute oral toxicity according to the GHS.

bibliographic data

Acute Toxicity - Inhalation

2-Propanol LC50 - 6 h (steam): > 10.000 ppm - Rat, male and female

Method: OECD Test Guideline 403

Target organs: Central nervous system

Symptoms: Narcoleptic effects, Central nervous system depression

It is not classified as dangerous for acute inhalation toxicity according to the GHS.

Unpublished reports

Acute Toxicity - Dermal

2-Propanol DL50: 12,960 mg/kg - Rabbit

Method: OECD Test Guideline 402

It is not classified as dangerous for acute dermal toxicity according to the GHS.

bibliographic data

Acute toxicity (other routes of administration)

data not available

Skin corrosion/irritation

2-Propanol Rabbit

Does not cause skin irritation

Method: according to a standardized method

bibliographic data

Guinea pig

Does not cause skin irritation

Method: according to a standardized method

bibliographic data

Serious eye damage/eye irritation

2-Propanol Rabbit

Eye irritation, reversing within 21 days

Method: OECD Test Guideline 405

Unpublished reports

Respiratory or skin sensitization

Buehler Test 2-Propanol - Guinea Pig

Responsive animals in the Buehler Test < 15%

The substance or mixture is not considered to be a skin sensitizer.

Method: OECD Test Guideline 406

Unpublished reports

Mutagenicity

In vitro genotoxicity

2-Propanol Mutagenicity (Salmonella typhimurium - reversal test)

Strain: Salmonella typhimurium

with or without negative metabolic activation

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Method: OECD Test Guideline 471
Unpublished reports

Gene mutation assays in mammalian cells.

Strain: Chinese hamster ovary cells with or without negative metabolic activation

Method: OECD Test Guideline 476

Unpublished reports

In vivo genotoxicity

2-Propanol Micronoyau Test in vivo - Rat

male and female

intraperitoneal route

Method: OECD Test Guideline 474

negative

Unpublished reports

Carcinogenicity

data not available

Reproductive and developmental toxicity

Reproductive toxicity and fertility

2-Propanol Reproductive toxicity in two generations - Rat, male and female

General Parental Toxicity NOAEL: 1,000 mg/kg

General toxicity F1 NOAEL: 1,000 mg/kg

OECD Test Guideline 416

Tube feeding, Unpublished reports, Toxicity testing in fertility and development showed no effect on reproduction.

Fertility study (1 generation) - Rat, male and female

General Parental Toxicity NOAEL: 853 mg/kg

OECD Test Guideline 415

drinking water, Bibliographic data, The product is not considered to be potentially dangerous to fertility.

Developmental Toxicity Effects/Teratogenicity

2-Propanol General toxicity in mothers NOAEL: 400 mg/kg

NOAEL Teratogenicity: 400mg/kg

OECD Test 414 Guidelines

Feed with probe, Unpublished reports, Product is not considered toxic to the embryo / fetus.

General toxicity in mothers NOAEL: 596 mg/kg

NOAEL Teratogenicity: 596mg/kg

OECD Test 414 Guidelines

drinking water, Published data, The product is not considered to be toxic to the embryo / fetus.

Systemic toxicity to certain target organs

Specific target organ toxicity - single exposure

2-Propanol Exposure routes: Inhalation, Ingestion

Target organs: Central nervous system

The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with effects narcotics according to GHS criteria.

Unpublished reports

Specific target organ toxicity - repeated exposure

2-Propanol Exposure routes: Inhalation

The substance or mixture is not classified as target organ toxic

specific, repeated exposure according to GHS criteria.

Unpublished reports

2-Propanol Inhalation (vapor) 2 years - Rat, male and female

NOEC: 500 ppm

Target Organs: No specific organs noted.

Method: OECD Test Guideline 451

Chronic exposure

It is not considered as a possible cause of serious health effects in case of repeated exposures

Unpublished reports

Experience with human exposure data not available

Aspiration hazard data not available

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12 - Informações ecológicas

12.1 Toxicity

aquatic compartment

Acute toxicity to fish

2-Propanol LC50 - 96 h : 9,640 mg/l - Pimephales promelas (fat mint)

flow test

Method: OECD Test Guideline 203

Not harmful to fish (LC/LL50 > 100 mg/L)

freshwater species

bibliographic data

Acute toxicity to daphnia and other aquatic invertebrates.

2-Propanol EC50 - 24 h: > 10,000 mg/l - Daphnia magna (water flea or daphnia)

static test

Analytical monitoring: no

Method: OECD Test Guideline 202

Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L)

freshwater species

bibliographic data

Toxicity to aquatic plants

2-Propanol EC50 - 7 Days: > 100 mg/l - Scenedesmus quadricauda (green alga)

static test

Analytical monitoring: no

Endpoint: biomass

Method: OECD Test Guideline 201

Not harmful to algae (EC/EL50 > 100 mg/L)

freshwater species

bibliographic data

Toxicity to microorganisms

2-Propanol NOEC - 16 h: 1,050 mg/l - Pseudomonas putida

static test

Analytical monitoring: no

freshwater species

bibliographic data

Chronic toxicity to fish data not available

Chronic toxicity to daphnia and other aquatic invertebrates.

2-Propanol NOEC: 30 mg/l - 21 Days - Daphnia magna (water flea or daphnia)

No chronic adverse effects observed up to 1 mgL.

freshwater species

Unpublished reports

Chronic toxicity to aquatic plants

2-Propanol NOEC: 1800 mg/l - 7 Days - Scenedesmus quadricauda (green algae)

static test

Analytical monitoring: no

biomass

No chronic adverse effects observed up to 1 mgL.

bibliographic data

12.2 Persistence and Degradability

abiotic degradation

photodegradation

2-Propanol indirect photooxidation

Sensitizer: OH

Half-life (indirect photolysis): About: 3 Days

Air

Physicochemical and photochemical elimination

data not available

Biodegradation

Biodegradability

2-Propanol easy biodegradability study:

78% - 21 Days

The 10 day time window criterion is met.

The substance meets the final aerobic biodegradability and biodegradability criteria

innocuous: activated sludge, domestic, non-adapted

Unpublished reports

BOD/DQO ratio

2-Propanol BOD Type: BOD5

BOD/DQO value: 0.53 %

Unpublished reports

12.3 Bioaccumulative potential

Partition coefficient (n-octanol/water)

2-Propanol Due to the n-octanol/water partition coefficient, accumulation in organisms is not expected.

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Bioconcentration factor (FBC) data not available
12.4 Mobility in soil
Adsorption potential (Koc)
2-Propanol
water/soil
important solubility and mobility
soil/sediments
Log Koc: 0.03
Method: Estimation method / Structure-activity relationship (SAR)
non-significant adsorption
Moves easily on soils
known distribution for environmental compartments
2-Propanol Final destination of the product: Water
Air
Method: Estimation method / Structure-activity relationship (SAR)
predicted distribution to environmental compartments
bibliographic data
12.5 Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulative and toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
12.6 Other adverse effects
Ecotoxicity assessment
Hazardous to the aquatic environment – ??Acute.
2-Propanol Not harmful to aquatic life (LC/LL50, EC/EL50 > 100 mg/L)
Hazardous to the aquatic environment – ??Chronic.
2-Propanol No chronic adverse effects observed up to 1 mgL.

13 - Considerações sobre destinação final

13.1 Waste treatment methods

Product Disposal

- Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Waste Code

- Environmental Protection Agency
- Hazardous Waste – YES
- RCRA Hazardous Waste (40 CFR 302)
- D001 - Ignitable waste – (I)

Advice on cleaning and disposal of packaging

- Rinse with an appropriate solvent.
- Dispose of contents/container in accordance with local regulation.

14 - Informações sobre transporte

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT

- 14.1 UN number UN 1219
- 14.2 Proper shipping name ISOPROPANOL
- 14.3 Transport hazard class 3
- Label(s) 3
- 14.4 Packing group
- Packing group II
- ERG No 129
- 14.5 Environmental hazards
- Marine pollutant NO

TDG

- 14.1 UN number UN 1219
- 14.2 Proper shipping name ISOPROPANOL

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14.3 Transport hazard class 3

Label(s) 3

14.4 Packing group

Packing group II

ERG No 129

14.5 Environmental hazards Marine Pollutant NO

IMDG

14.1 UN number UN 1219

14.2 Proper shipping name ISOPROPANOL

14.3 Transport hazard class 3

Label(s) 3

14.4 Packing group

Packing group II

14.5 Environmental hazards

Marine pollutant NO

14.6 Special precautions for user EmS F-E , S-D

For personal protection see section 8.

IATA

14.1 UN number UN 1219

14.2 Proper shipping name ISOPROPANOL

14.3 Transport hazard class 3

Label(s): 3

14.4 Packing group

Packing group II

Packing instruction (cargo aircraft) 364

Max net qty / pkg 60.00 L

Packing instruction (passenger aircraft) 353

Max net qty / pkg 5.00 L

14.5 Environmental hazards NO

14.6 Special precautions for user

For personal protection see section 8.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15 - Informações sobre regulamentações**15.1 Notification status**

Inventory Information Status

United States TSCA Inventory - Listed on Inventory

Canadian Domestic Substances List (DSL) - Listed on Inventory

Australia Inventory of Chemical Substances (AICS) - Listed on Inventory

Japan. CSCL - Inventory of Existing and New Chemical Substances - Listed on Inventory

Korea. Korean Existing Chemicals Inventory (KECI) - Listed on Inventory

China. Inventory of Existing Chemical Substances in China (IECSC) - Listed on Inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) - Listed on Inventory

15.2 Federal Regulations

US. EPA EPCRA SARA Title III

SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)

Fire Hazard no

Reactivity Hazard no

Sudden Release of Pressure Hazard yes

Acute Health Hazard yes

Chronic Health Hazard no

Section 313 Toxic Chemicals (40 CFR 372.65)

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ingredients CAS-No. Concentration

Isopropyl Alcohol 67-63-0 100 %

Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)

This material does not contain any components with a SARA 302 RQ.

Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)

This material does not contain any components with a section 304 EHS RQ.

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: ALCOOL ISOPROPILICO RHODIA

Revisão: 07

Data: 28/06/2021

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US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)
This material does not contain any components with a CERCLA RQ.

15.3 State Regulations

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

16 - Outras Informações

NFPA (National Fire Protection Association) - Classification

Health 1 slight

Flammability 3 serious

Instability or Reactivity 0 minimal

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health 1 slight

Flammability 3 serious

Reactivity 0 minimal

PPE Determined by User; dependent on local conditions

Date Prepared: 08/10/2016

Key or legend to abbreviations and acronyms used in the safety data sheet

- ST STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
- STEL Short-term exposure limit
- TWA 8-hour, time-weighted average
- ACGIH American Conference of Governmental Industrial Hygienists
- OSHA Occupational Safety and Health Administration
- NTP National Toxicology Program
- IARC International Agency for Research on Cancer
- NIOSH National Institute for Occupational Safety and Health

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity