

SAFETY DATA SHEET
Product: TECHNICAL DEGREE ACETONITRILE

Version: 04


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SECTION 1: IDENTIFICATION

Identification of the product	TECHNICAL DEGREE ACETONITRILE.
Recommended use of the chemical and restrictions on use	Industrial use.
Company	COMPANHIA BRASILEIRA DE ESTIRENO.
Address	Rua Hidrogênio, 824 - Polo Petroquímico – Camaçari – BA - CEP: 42816-140, Brazil.
Telephone number	55 (71) 3878-6313.
Emergency telephone number	0800 110 8270 Pró-Química.

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture	Flammable liquids – Category 2 Acute toxicity – Oral – Category 4 Acute toxicity – Dermal – Category 4 Acute toxicity – Inhalation – Category 4 Severe eye lesions/eye irritation – Category 2A
Classification system adopted	Globally Harmonized System of Classification and Labelling of Chemicals (GHS), United Nations.
Other hazards which do not result in classification	The product does not have other hazards.
Adequate labeling elements	
Pictograms	
Signal word	DANGER

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Hazard statement(s):

H225 Highly flammable liquid and vapors.

H302 Hazardous if ingested.

H312 Hazardous when in contact with skin.

H319 Causes serious eye irritation.

H332 Hazardous if inhaled.

Precautionary statement(s):

PREVENTION:

P210 Keep away from heat, sparkles, open flame and hot surfaces. Do not smoke.

P233 Keep the container hermetically sealed.

P240 Ground the container and the product recipient body during transfers.

P241 Use explosion-proof electrical, ventilation and illumination equipment.

P242 Use only antispark tools.

P243 Avoid the buildup of electrostatic charges.

P261 Avoid inhaling mist and vapors.

P264 Carefully wash hands after handling.

P270 Do not eat, drink or smoke while using this product.

P271 Only handle the product in the open air or well-ventilated places.

P280 Wear protection gloves and vest, eye protection as well as facial protection.

EMERGENCY RESPONSE:

P301 + P312 IN CASE OF INGESTION: In case of indisposition, get in touch with a TOXICOLOGICAL INFORMATION CENTER or a doctor.

P302 + P352 IN CASE OF CONTACT WITH THE SKIN: Thoroughly wash with soap and water.

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P303 + P361 + P353 IN CASE OF CONTACT WITH THE SKIN (or the hair): Immediately remove all contaminated clothes. Rinse the skin with water or have a shower.

P304 + P340 IN CASE OF INHALATION: take the person to a place that is well ventilated and keep him/her at rest in such a position that is comfortable for breathing.

P305 + P351 + P338 IN CASE OF CONTACT WITH THE EYES:

Carefully rinse with water during several minutes. In case the person is wearing contact lenses, remove them if it is easy. Keep rinsing the eyes on.

P312 In case of indisposition, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor.

P321 Specific treatment.

P330 Wash the mouth.

P337 + P313 In case the eye irritation persists see a doctor.

P362 + P364 Remove all contaminated clothes and prior to reuse wash them.

P370 + P378 in case of fire: Use dry chemical powder, foam, water mist or carbon dioxide (CO₂) for extinction.

STORAGE:

P403 + P235 Store in a place that is well ventilated. Keep in a fresh place.

DISPOSAL:

P501 Dispose of the content as well as of the container in accordance with local regulations.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE

Ingredients or impurities that might contribute to danger

Component	Concentration (%)	Nº CAS
Acetonitrile	69	75-05-8

SECTION 4: FIRST-AID MEASURES

Ingestion

Do not induce to vomiting. Thoroughly wash the victim's mouth with water. Never administer something orally to an unconscious person. In case of indisposition, get in touch with a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this CPSIF with you.

Skin

Wash the skin that was exposed with water that suffices for the material removal in 15 to 20 minutes. In case of skin irritation: See a doctor. Take this CPSIF with you.

Eye

Carefully rinse with water for at least 15 minutes keeping the eyelids lifted. In case the person is wearing contact lenses, take them off if it is easy and rinse once again. In case of persistent eye irritation: See a doctor. Take this CPSIF with you.

Inhalation

Take the victim to a place that is well ventilated and keep him/her at rest in such a position that breathing is comfortable. In case of indisposition, get in touch with a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this CPSIF with you.

More important, acute or late symptoms and effects

Hazardous if ingested, if in contact with the skin and if inhaled. Might provoke eye irritation with redness and lacrimation.

Notes to the doctor

Along with this MSDS, consult a detailed medical protocol on the

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treatment of cyanide poisoning. After contact with the product, health effects may last 3 hours to start, and could persist for three days. Avoid contact with the product to help the victim. If there is contact of the product with the skin or victim's clothing, remove them immediately and wash with plenty of water.

If the victim shows symptoms, antidotes may be needed.

Administer according to clinical condition:

Oxygen– Offer a 100% concentration when possible.

Amyl nitrite – Administration of Amyl Nitrite should be done through a vial which should be placed close to the patient's mouth and nose for 15 seconds. If breathing does not return to normal, repeat the operation every 2 minutes.

Sodium Nitrite – Start administer intravenously 50 g sodium nitrite, with average dose for treatment 300 mg, shall not pass 600 mg.

Sodium Thiosulfate – Start administer intravenously 12,5 g sodium thiosulfate, shall not pass 175 g.

Cianokit (Hidroxycobalamina) – Start administer intravenously 5 g of hydroxycobalamine, shall not pass 10 g.

Methylene Blue - It should be used 100 a 200 mg IV when the amount of methaemoglobin reaches 30%.

OBS: all antidotes must be administer intravenously, should be dilute in Glucose 5% or Saline 0,9 %.

Suggestion of treatment with antidotes:

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TOXICITY LEVEL	SYMPTOMS	TREATMENT	ANTIDOTE
Mildmild	Absence of Symptoms or Mild Symptoms: headache, asthenia, smell and taste dysfunctions, dyspnoea.	Use supportive treatment + O2 100%	01 antidote
Moderate	Usually presents: headache, nausea, vomiting and cardiac arrhythmias.	Use supportive treatment + O2 100%+ Sodium Thiosulfate	02 antidotes
Severe	May occurs, In addition to the previous symptoms, hot flashes, disorders of consciousness, convulsion and severe dyspnea.	Use supportive treatment + O2 100% and/or Amyl nitrite and / or sodium thiosulfate and / or sodium nitrite.	03 antidotes
Critical	Presents loss of consciousness and respiratory and / or cardiorespiratory arrest.	Use supportive treatment + O2 100% and / or amyl nitrite and / or sodium thiosulfate and / or sodium nitrite and / or cyanokit.	03 or more antidotes

SECTION 5: FIRE-FIGHTING MEASURES

Fire-fighting resources	<p>Appropriate: Compatible with dry chemical powder, foam, water mist or carbon dioxide (CO2).</p> <p>Not recommended: Direct water on the flaming liquid.</p>
Specific hazards of the mixture or substance	<p>Very dangerous when exposed to excessive heat or other ignition sources such as: sparkles, open flames or cigarettes and matches' flames, welding operations, pilot lamps and electrical motors. It can accumulate static charge through flow or agitation. The hot liquid vapors can catch fire through static discharge. Vapors are denser than the air and tend to</p>

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accumulate in low or confined areas, such as drains and holds. Os vapores são mais densos que o ar e tendem a se acumular em áreas baixas ou confinadas, como bueiros e porões. They can move along great distances leading to flame setback or new outbreaks both in open spaces and confined spaces. Containers might explode if heated. The combustion of the chemical product or of its packaging might form toxic and irritating gases such as carbon monoxide and dioxide.

Protection measures by the fire-fighting team

Respiratory protection equipment of the self-contained breathing apparatus (SCBA) type, with positive pressure and complete protective clothing. Containers and tanks involved in the fire can be cooled with water mist.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal protective measures for personnel that is not in emergency services

Isolate the leakage from ignition sources. Evacuate the area forming a perimeter of at least 50 meters. Keep unauthorized people away from the area. Stop the leakage, if that can be done at no risk. Prevent sparkles or flames. Do not smoke. Do not touch damaged containers or the spilt material if not wearing appropriate clothing. Avoid exposure to the product. Stay away from low areas. Make sure you have the wind on your back. Use individual protection equipment as described in section 8.

For emergency service personnel

Use complete IPE with safety goggles and face protector, neoprene, butyl rubber or polyethylene waterproof gloves, appropriate protective clothing and closed footwear. In case of leakage, when exposure is extensive, recommendation is to

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	wear masks of the multipurpose type for organic gases or breathable air mask.
Environmental precautions	Avoid the spilt product to reach water courses and sewers.
Methods and materials for containment and cleaning purposes	Use water mist or vapor suppressive foam in order to reduce dispersion of vapors. Use natural barriers or barriers meant for spillage containment. Collect the spilt material and place it in appropriate containers. Adsorb the remaining product, with dry sand, Earth, vermiculite, or any other inert material. Place the adsorbed material in appropriate containers and take them to a safe place. Use tools that do not produce sparkles in order to collect the adsorbed material. For final disposal, proceed in accordance with Section 13 in this CPSIF.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	
Precautions for safe handling	Handle in a ventilated area or an area with a local ventilation/exhaustion general system. Avoid the formation of vapors and mists. Use individual protection equipment as described in section 8. Avoid contact with incompatible materials.
Hygiene measures	Carefully wash hand and face after handling and before eating, drinking, smoking or using the rest room. Contaminated clothes must be changed and washed before being reused. Take off contaminated clothes and protection equipment before entering and dining areas.
Safe storage conditions, including any incompatibilities	
Fire and explosion	Keep away from heat, sparkle, open flame and hot surfaces. Do

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prevention	not smoke. Keep the container hermetically sealed. Ground the container and the product recipient during transfers. Use only antispark tools. Avoid buildup of electrostatic charges. Use explosion-proof electrical, ventilation and lighting equipment.
Appropriate conditions	Store in a place that is well ventilated, away from sunlight. Keep the container closed. It is not necessary to add stabilizers and antioxidants in order to ensure product durability. Keep stored at room temperature. Do not store during long periods. This product might react in a dangerous way with some incompatible materials, as pointed out in Section 10.
Packaging compatibilities	Iron and steel.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit	Common chemical name or technical name	TWA-TLV (ACGIH, 2020)
	Acetonitrile	20 ppm
Biological limit:	Not established.	
Other limits and values	IDLH: 137 ppm (NIOSH, 2017).	
Appropriate engineering controls	Promote mechanical ventilation and direct exhaust system to the outside. These measures help in the reduction of the product exposure. Maintain atmospheric concentrations of the product components below the indicated occupational exposure limits.	
Individual protection measures, such as personal protective equipment (PPE)		

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Eye/face protection	Broad vision safety goggles and face protector.
Skin protection	Neoprene, butyl rubber or polyethylene waterproof gloves, appropriate protective clothing and closed footwear.
Respiratory protection	Respiratory protection equipment with appropriate filter. Based on the inhalation hazard of the product, a risk assessment must be carried out to adequately define respiratory protection in view of the conditions of use of the product.
Thermal hazards	No specific IPE's are necessary since the product does not show thermal hazards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Colour	Yellowish.
Odour	Strong.
Melting point/freezing point	- 46°C
Boiling point or initial boiling point and boiling range	82°C
Flammability	Not applicable.
Lower and upper explosion limit /flammability limit	Upper: 16°C Lower: 4.4°C
Flash point	5.6°C
Auto-ignition temperature	524°C
Decomposition temperature	Not available.
pH	10 - 12

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Kinematic viscosity	Not available.
Solubility	Water soluble.
Partition coefficient n-octanol/water (log value)	Not available.
Vapour pressure	73 mmHg at 20°C
Density and/or relative density	1.42
Relative vapour density	0.80 – 0.84
Particle characteristics	Not available.
Other information	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity and chemical stability	Product not reactive. Product is stable under normal temperature and pressure conditions.
Possibility of hazardous reactions	Exothermic reaction with sulfuric acid at 53°C. This mixture will react with water, vapor or acids producing toxic and flammable vapors. It forms potentially explosive reactions with perchlorates and fluoride and nitrogen compounds. Mixtures formed by the fumes of nitric acid and acetonitrile are highly explosive.
Conditions to avoid	High temperatures, ignition sources and contact with incompatible materials.
Incompatible material	Strong oxidizing agents, oleum, chlorosulfonic acid, perchlorates, nitric acid and sulfur trioxide.
Hazardous decomposition products	No decomposition dangerous products are known.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	<p>Hazardous if ingested, in contact with the skin and if inhaled.</p> <p>Estimate of the mixture's acute toxicity (EATm) EATm (oral): 679.71 mg/kg EATm (dermal): 1420.29 mg/kg EATm (inhalation, 4h): 5198.55 mg/L</p> <p>Information referring to: - <u>Acetonitrile</u> DL50 (oral, rats): 469 mg/kg DL50 (dermal, rabbits): 980 mg/kg CL50 (inhalation, rats, 4h): 3587 mg/L</p>
Skin corrosion/irritation	Based on available information, the classification criteria were not followed.
Serious eye damage/irritation	Might lead to severe eye irritation with redness, pain and lacrimation.
Respiratory or skin sensitization	Based on available information, classification criteria were not followed.
Germ cell mutagenicity	Based on available information, classification criteria were not followed.
Carcinogenicity	Based on available information, classification criteria were not followed.
Reproductive toxicity	Based on available information, classification criteria were not followed.
STOT - Single exposure	Based on available information, classification criteria were not followed.
STOT - Repeated exposure	Based on available information, the classification criteria have not been met.

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Aspiration hazard	Based on available information, classification criteria were not followed.
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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The product is not expected to present ecotoxicity.
Persistence and degradability	The product does not show persistence and it is rapidly degradable. Biodegradability rate: 70% in 21 days.
Bioaccumulative potential	No bio accumulative potential is expected in aquatic organisms.
Mobility in soil	Not determined.
Other adverse effects	No other environmental effects are known for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Product	<p>It must be eliminated as a dangerous residue in accordance with local legislation. Treatment and disposal must be specifically evaluated for each product. Federal, state and municipality legislations must be consulted, and among them Law no 12.305, of August 02, 2010 (National Policy for Solid Residues).</p> <p>Maintain leftovers of the product in its original packaging, which must be duly closed. Disposal must be carried out as established for the product.</p> <p>Do not reuse empty packaging. They might contain remains of the product and must be kept closed and sent to appropriate disposal as established for the product.</p>
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SECTION 14: Transport information

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Land:	Resolution nº 5232, dated December 14, 2016 issued by Agência Nacional de Transportes Terrestres (ANTT) (National Agency for Land Transport), Approves Complementary Instructions as to Land Transport of Hazardous Products Regulation, and sets forth other provisions.
UN Number	1648
Shipping appropriate name	ACETONITRILE, SOLUTION
Main risk class or subclass	3
Subsidiary risk class or subclass	NA
Risk number	33
Packaging group	II
Water transport	DPC - Diretoria de Portos e Costas (Ports and Coasts Board) (Transporte em águas brasileiras) (Transport in Brazilian waters) Maritime Authority Norms (Normas de Autoridade Marítima) (NORMAM) NORMAM 01/DPC: Vessels employed in Open Sea Navigation NORMAM 02/DPC: Vessels Employed in Inland Navigation IMO – “International Maritime Organization” (Organização Marítima Internacional) International Maritime Dangerous Goods Code (IMDG Code).
UN Number	1648
Appropriate shipping name	ACETONITRILE, SOLUTION
Main risk class or subclass	3
Subsidiary risk class or subclass	NA
Packing group	II
EmS	F-E, S-D
Marine pollutant	The product is not considered a marine pollutant.
Air	ANAC - Agência Nacional de Aviação Civil (National Agency for

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Civil Aviation) – Resolution nº129 dated December 8, 2009.
RBAC Nº175 – (REGULAMENTO BRASILEIRO DA AVIAÇÃO CIVIL) – (Brazilian Regulation for Civil Aviation) TRANSPORTE DE ARTIGOS PERIGOSOS EM AERONAVES CIVIS (Transport of Dangerous Goods in Civil Aircrafts). IS Nº 175-001 – INSTRUÇÃO SUPLEMENTAR – IS (Supplementary Instruction) ICAO – “International Civil Aviation Organization” (Organização da Aviação Civil Internacional) – Doc 9284-NA/905
IATA - “International Air Transport Association” (Associação Internacional de Transporte Aéreo)
Dangerous Goods Regulation (DGR).

UN Number	1648
Shipping appropriate name:	ACETONITRILE, SOLUTION
Main risk class or subclass:	3
Subsidiary risk class or subclass:	NA
Packing group	II
Environmental hazard:	Product is not considered hazardous to the environment.

SECTION 15: REGULATORY INFORMATION

Regulations for chemical products	<p>Federal Decree nº 2.657, dated July 3, 1998; ABNT-NBR 14725:2014 norm; Order nº 229, dated May 24, 2011 – Alters Regulatory Norm nº 26. Due to the Acetonitrile ingredient, the following regulations can be applied: Decree Nº 6.911, dated January 19, 1935 and Decree Nº 3.665, dated November 20, 2000: Product subject to control and</p>
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inspection of the Ministry of Justice – State Department of Civil Police, when it relates to the manufacturing, recuperation, maintenance, industrial use, handling, sportive use, collecting, import, export, customs clearance, storage, commerce and traffic of controlled products. It is indispensable to have prior authorization of the Civil Police Command in order to perform these operations.

Order N° 1.274, dated August 25, 2003: Product subject to control and inspection of the Ministry of Justice – Federal Police Department - MJ/FPD, when related to import, export and re-exportation. It is indispensable to have previous authorization of the Federal Police Department in order to perform these operations.

SECTION 16: OTHER INFORMATION

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

Revised and adequate in april 2021.

Subtitles and abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists

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BEI – Biological Exposure Index

CAS – Chemical Abstracts Service

EC₅₀ – Effective concentration 50%LC₅₀ – Lethal concentration 50%LD₅₀ – Lethal dose 50%

IARC – International Agency for Research on Cancer

IDLH – Immediately Dangerous to Life or Health

K_{ow} – Octanol/Water Partition Coefficient

NOEC – No Observed Effect Concentration

STEL – Short Term Exposure Limit

TLV – Threshold Limit Value

TWA – Time Weighted Average

References:

ACGIH. AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2020.

BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MIE). Regulating Norm (NR) n°7: Occupational health medical control program. Brasília, DF. Jun. 1978.

BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MTE). Regulating Norm (NR) n°15: Unhealthy activities and operations. Brasília, DF. Jun. 1978.

US's EPA. 2011. EPI Suite™ for Microsoft® Windows, v 4.10. United States Environmental Protection Agency, Washington, DC. 2011. Available at: <<http://www.epa.gov/oppt/exposure/pubs/episuite.htm>>. Accessed in December 2017.

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GHS. Globally Harmonized System of Classification and Labelling of Chemicals. 8. rev. ed. New York: United Nations, 2015.

HSDB – HAZARDOUS SUBSTANCES DATA BANK. Available at: <<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>>. Accessed in December 2017.

IARC. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER. Available in: <<http://monographs.iarc.fr/ENG/Classification/index.php>>. Access in: dec. 2017.

IPCS – INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY – INCHEM. Available at: <<http://www.inchem.org/>>. Accessed in December 2017.

IUCLID – INTERNATIONAL UNIFORM CHEMICAL INFORMATION DATABASE. [S.I.]: European chemical Bureau. Available at: <<http://ecb.jrc.ec.europa.eu>>. Accessed in December 2017.

NIOSH. NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available in: <<http://www.cdc.gov/niosh/>>. Access in: dec. 2017.

NITE-GHS JAPAN – NATIONAL INSTITUTE OF TECHNOLOGY AND EVALUATION. Available at: <http://www.safe.nite.go.jp/english/ghs_index.html>. Accessed in December 2017.

SDS. Safety Data Sheet. TECHNICAL DEGREE ACETONITRILE. COMPANHIA BRASILEIRA DE ESTIRENO. Versão: 3. Data: 11.06.2019.

SIRETOX/INTERTOX – INFORMATION SYSTEM ON CHEMICAL EXPOSURE RISKS. Available at: <<http://www.intertox.com.br>>. Accessed in December 2017.

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TOXNET – TOXICOLOGY DATA NETWORKING. ChemIDplus Lite. Available at: <http://chem.sis.nlm.nih.gov/>. Accessed in December 2017.

U.S. ENVIRONMENTAL PROTECTION AGENCY. ECOSAR – Ecological Structure-Activity Relationships. Version 1.11. Available at: <http://www.epa.gov/oppt/newchems/tools/21ecosar.htm>. Accessed in December 2017.