

SAFETY DATA SHEET

META Black Alcohol Gel

EDITION: 1

SECTION 1. Identification of the substance/mixture and of the Society / Company

1.1. Identification of the substance or mixture

Name of the product: META Black Alcohol Gel

1.2. Use of the substance or mixture

Applications: Biocide - Product Type 1 - Human Hygiene

1.3. Society / Company Identification

Piranha Global Lda
Zona Industrial de Coimbrões, Lote 71
3500-618 Viseu

1.4. Emergency phone number

Phone number in case of emergency (CIAV): 808 250 143
European emergency number: 112
Company emergency number: 219409240 (9h-13h / 14h-18h)

SECTION 2. Danger identification

2. Classification of the substance or mixture:

2.1.1. Classification according to regulation (UE) 1272/2008

Classification-CLP:

The substance is classified as dangerous according to Regulation (CE) N.º1272/2008:

Flam. Liq. 2, H225,
Eye Irrit. 2; H319

Full text of H-phrases, see section 16

2.1.2. Classification according to the Directives of the UE 67/548/CEE or 1999/45/CE

Classification:

The substance is classified as dangerous, having the following classification:

F; R11;

Full text of R-phrases, see section 16

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2.2. Label elements

2.2.1. Labeling according to regulation (UE) 1272/2008

Danger pictograms:



GHS02



GHS07

Signal Word: DANGER

Danger warnings:

H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

Supplementary Information:

Portuguese tax warehouse: E.F. PT 500 727 45 701

Precautionary-Prevention Recommendations:

P102:	Keep away from children.
P210:	Keep away from heat / sparks / open flames / hot surfaces. - Do not smoke.
P233:	Keep the container tightly closed
P240:	Grounding/ equipotential of the container and the receiving equipment.
P305 + P351 + P338	WHEN IN CONTACT WITH THE EYES: wash carefully with water for several minutes. If you wear contact lenses, remove them if possible. Continue to rinse.
P337 + P313:	If eye irritation persists: consult a doctor
P370 + P378:	In case of fire: use water spray to extinguish; carbon dioxide (CO ₂); foam, dry powder
P403 + P235:	Store in a well-ventilated place. Store in a cool environment.

2.3. Other dangers

This substance is not considered to be very persistent or very bioaccumulative (vPvB).

This substance is not considered to be persistent, neither bioaccumulating nor toxic (PBT).

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SECTION 3. Composition / information on components

3.1. Substances

Not applicable

3.2. Mixtures

Name of the component	Identifier of the product	% Mass	Classification according to the regulation N.º1272/2008 [CLP]
ETANOL (ethyl alcohol)	(n.º CAS) 64-17-5 (Nº CE) 200-578-6 (N.º index) 603-002-00-5 (Nº REACH) 01-2119457610-43-XXXX	63,0	Flam. Liq. 2; H225 Eye Irrit. 2; H319
WATER	n.º CAS - 7732-18-5	25,0 – 35,0	---
GLICERIN	n.º CAS - 56-81-5	1,0 – 5,0	---
CARBOMER	n.º CAS - 9003-01-4	0,1 - 1,0	---
PRO-VITAMIN B5	n.º CAS - 81-13-0 / 16485-10-2	0,1 - 1,0	---
TRIETHANOLAMINE	n.º CAS - 102-71-6	0,1 - 1,0	---
DYE	n.º CAS – 7440-44-0	0,01 - 0,05	---

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SECTION 4. First Aid

4.1. Description of first aid measures

After Inhalation:

Take the person to an airy place. Keep at rest. Consult a doctor if other symptoms appear symptoms.

Contact with skin:

Product suitable for skin contact

Eyes:

Wash with plenty of water for 15 minutes, keeping the eyelids open. Remove lenses contact details if they exist and are easily removable. Continue to wash. Consult a doctor if necessary.

Ingestion:

Rinse your mouth. Drink plenty of water. Do not induce vomiting. Consult a doctor if it occurs indisposition.

Additional advice:

The rescuer has to protect himself.

Also see section 8.

Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor on duty. Treat according to symptoms. If symptoms persist if in doubt, contact the doctor.

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4.2. Most important symptoms and effects: both acute and delayed

Inhalation:

May cause irritation of the respiratory system. Inhalation of vapors in high concentrations may cause symptoms such as headache, dizziness, tiredness, nausea and vomiting.

Contact with skin:

It can cause irritation

Contact with eyes:

Eye contact can cause serious eye irritation.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of urgent medical care and special treatment needed

In case of ingestion, if you feel unwell consult a poison control center or a doctor.

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SECTION 5. Fire fighting measures

5.1. Extinguishing processes

Suitable extinguishing media:

Sprayed water. Carbon Dioxide (CO₂). Foam. Dry powder. The water spray should be used to cool containers and protect surrounding equipment and buildings.

Unsuitable extinguishing media:

Water gun.

5.2. Special hazards arising from the substance or mixture

Fire hazard:

Highly flammable liquid and vapor.

Specific hazards:

Vapors can form explosive mixtures with air.

Vapors are denser (heavier) than air and can spread along the ground. They can cause explosive mixtures with air.

5.3. Recommendations for firefighting personnel

- In case of fire, evacuate personnel to safety areas.
- Self-contained breathing apparatus with full face mask and full protective clothing.
- Be aware of the possibility of re-ignition.
- This product releases flammable vapors that can form explosive mixtures in the air.
- Vapors with an ignition source can create a sudden fire.
- Containers may explode if overheated.
- Use water to cool the containers and disperse the steam.

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SECTION 6. Fire fighting measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not involved in the emergency response

- Eliminate the entire source of ignition.
- Ensure adequate ventilation, especially in low areas where vapors can be accumulate and ignite.
- Avoid contact with eyes
- Stay upwind
- Do not breathe vapors.
- As long as it is safe to isolate the leak.
- Avoid low areas where vapors can accumulate.

6.1.2. For emergency response personnel

- Take the person to a safe area
- Wear suitable protective equipment (see section 8.)
- Stop the leak, if it can be done without risk.
- For small spills, use a non-combustible absorbent (sand).
- For large spills, use retention basins for later disposal.

6.2. Environmental precautions

Prevent it from entering sewers, surface water or groundwater.

6.3. Methods and material for containment and cleaning up

6.3.1. Spills

Small spills:

Allow to evaporate if safe or absorb with sand or other inert material.

Sweep or collect the spilled product into suitable containers for later disposal of residue.

Ventilate the contaminated area.

Large spills:

Contain spillage using retention basins.

Observe the definitions of the local responsible authority.

Local authorities (IGAMAOT) and ANPC should be advised if an important amount of spill cannot be contained.

6.3.2. Spark protection equipment

Never use equipment or objects liable to cause a spark.

6.4. Reference to other sections

For more information about exposure control / personal protection or considerations about

For disposal, see section 8 and 13.

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SECTION 7. Handling and Storage

7.1. Handling

Precautions for safe handling:

Ensure adequate ventilation.
Avoid contact with eyes
Do not breathe vapors or spray.
Do not smoke.
Keep away from heat and sources of ignition.
Take care to avoid spills when handling the product.
Do not allow product to enter the sewer system.
Take all precautions not to mix with incompatible materials.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practices.
Keep away from food, drink and pet food.

7.2. Storage

Condition for safe storage (including any incompatibilities):

Storage of flammable liquids.
Store in the original container.
Do not store near or with any of the incompatible materials listed in section 10.
Keep away from open flames, heated surfaces and sources of ignition.
Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging material:

Do not pierce or burn.
Do not apply pressure to empty the containers.

7.3. Specific uses

Final costumer:

Keep out of the reach of children.
Read the product label.
Store the product in a cool place.
Keep the bottle closed.
Do not breathe vapors.
Avoid ingestion and contact with eyes.
Keep away from heat / sparks / open flames / hot surfaces. - Do not smoke.
Keep away from food, drink and pet food.

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SECTION 8. Exposure

8.2 Exposure control

8.2.1. Occupational exposure control

General protective and hygiene measures: Do not inhale vapor / spray. Avoid contact with eyes.

Personal protection:

Eye / face protection: If splashes occur, wear eye protection (goggles, masks).

Respiratory Protection: Wear suitable respiratory protective equipment if exposure to levels above occupational exposure limits. If there are auxiliary equipment for breathing use Type A.

8.2.2. Environmental exposure control

Ethanol is classified as VOC (volatile organic compound), under Directive 2010/75 / EU. Measures control measures for reducing emissions, such as incineration or solvent recovery, should be used in combination with fugitive emissions to ensure compliance with this Directive.

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SECTION 9. Physical and Chemical Properties

9.1. General information

Appearance: Gel, transparent and colorless.

Odor: Characteristic

9.2. Important data for health, safety and the environment

Odor threshold: no data available

pH: 6.50 - 7.50

Relative density (Water = 1): 0.89 - 0.92

Solubility in water (20°C): completely soluble in cold water

Solubility (others): Miscible with most organic solvents

9.3. Other information

Data not available.

SECTION 10. Stability and Reactivity

10.1. Reactivity

It may react violently if it comes in contact with strong oxidizing agents.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Avoid contact with oxidizing agents and strong mineral acids.

10.4. Condition to avoid

Keep away from heat, sources of ignition and direct sunlight.

10.5. Materials to avoid

High temperature aluminum, strong acids, oxidizing agents. Calcium hypochlorite. Oxide silver (II). Hydrated magnesium perchlorate.

10.6. Hazardous decomposition products

Carbon oxides

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SECTION 11. Toxicological information

11.1. Information on toxic effects - based on the main ingredient (ethanol)

Acute toxicity:

Ethanol (64-17-5)	
LD50 / oral / rat 10470 mg / kg	10470 mg/kg
LD50 / dermal / rabbit 15800 mg / kg	15800 mg/kg
LC50 / Inhalation / rat / 4h	30000 mg/m ³

Conclusion:

Acute Oral Toxicity

ETHANOL: May cause headache, tiredness, dizziness, uncoordination and loss of consciousness.

Acute Respiratory Toxicity

ETHANOL: When inhaled in concentrations above the occupational exposure limit it may cause headache, tiredness, drowsiness, dizziness, nausea, incoordination and loss of consciousness.

Acute Skin Toxicity

ETHANOL: Low skin toxicity is expected.

Skin corrosion / irritation:

ETHANOL: Slightly irritating. Repeated or prolonged contact may cause slight irritation.

Serious eye damage / eye irritation:

ETHANOL: Vapor and liquid are irritating to the eyes. They may cause a stinging sensation. It can cause conjunctivitis. Temporary damage to the cornea may result. Permanent damage are unlikely.

Respiratory Irritation:

ETHANOL: High concentrations of vapor can be irritating to the respiratory tract.

Respiratory / skin sensitization:

ETHANOL: In animal testing it is not a contact sensitizer. Respiratory system: no there are data.

Germ cell mutagenicity:

ETHANOL: There are some data, resulting from in vitro and in vivo tests, indicating that ethanol causes genotoxic or clastogenic effects. However, the effects are weak and occur only in high dosages. The evidence is inconclusive with regard to the mutagenicity of ethanol.

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Carcinogenicity:

ETHANOL: There is evidence from animal testing that repeated ingestion of ethanol through drinking water results in the growth of certain tumors. In humans, consumption of alcoholic beverages is associated with an increased incidence of several tumors (IARC 2007). There is no evidence that inhaling ethanol will result in an increase cancer incidence.

Reproductive toxicity:

ETHANOL: Adverse effects on the male reproductive system have been detected in animals of laboratory after high exposure to high levels of ethanol. An animal study shows that high dosages produce adverse effects on the development of children in the presence of maternal toxicity. In humans, excessive consumption of alcoholic beverages during pregnancy is associated with induction of fetal alcohol withdrawal syndrome in children. It causes reduced weight in newborns, as well as mental and physical problems. In humans, excessive consumption of alcoholic beverages have been associated with adverse effects on male fertility. Do not exist evidence that such effects may be caused by labor exposure to ethanol, but only by direct intake of alcoholic beverages.

Specific target organ toxicity (STOT) - single exposure:

ETHANOL: Not classified (based on available data, the criteria for classification).

Specific target organ toxicity (STOT) - repeated exposure:

ETHANOL: Not classified (based on available data, the criteria for classification). The liver and kidneys are the most sensitive organs. According to NOAEL, the values vary between 1.73g / kg-3.9g / kg, sub-chronic feeding and drinking water, from tests performed on rats. The effects occur only at doses well above those requiring classification.

Aspiration hazards

ETHANOL: Through evidence in animals and due to its physical properties, ethanol can be aspirated into the lungs during ingestion or regurgitation. There is a likelihood that aspiration may cause fatal lung damage.

Other information:

Symptoms related to the physical, chemical and toxicological characteristics: See section 4.2

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SECTION 12. Ecological information

12.1. Ecotoxicity

Ecotoxicity effects: Ecological damage is not known or expected as a result of normal use.

12.2. Persistence / degradability

Product with rapid volatilization in the air. Readily biodegradable. The product is soluble in water. It is expected to be easily biodegradable in sewage treatment systems.

12.3. Bioaccumulative potential

It does not accumulate.

12.4. Soil mobility

It evaporates quickly. The product is easily absorbed by soil and sediment.

12.5. Results of PBT and vPvB assessment

This mixture is not known to be persistent, bioaccumulative or toxic (PBT).
This mixture is considered neither very persistent nor very bioaccumulative (vPvB).

12.6. Other adverse effects

Other information: data not available.

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SECTION 13. Disposal Considerations

13.1. Waste Treatment Methods

Waste / unused product:

Handle with care. See also section 7.

Do not flush into surface water or the sanitary sewer system.

Dispose of in accordance with applicable national legislation.

Recycling should be preferred over disposal or incineration. Collection and disposal of waste products at a treatment plant duly licensed for the RSI codes of those waste.

Contaminated packaging:

Empty containers should be taken to an approved waste handling location for recycling or destruction.

Waste codes / waste designations according to the European Waste List (RSI):

Classified as hazardous waste according to European Union regulations.

The following waste codes are only suggestions.

The waste codes must be assigned by the user based on the application for which the product was used.

13.2. Regulatory information for disposal

Note: these codes are assigned based on the most common uses of this material and may not reflect the presence of contaminants resulting from the application.

Organic wastes containing dangerous substances. READ: 160305 (*)

Packaging containing or contaminated by residues of dangerous substances. READ: 150110 (*)

Notice of empty containers (if applicable):

Empty containers can contain waste and be dangerous. Do not try to refill or clean containers without proper instruction.

Used containers must be completely emptied and stored in segregation, until adequate repackaging or disposal.

Do not subject the containers to pressure, cutting, welding, brazing, drilling, crushing or exposure to heat, flames, sparks, static electricity or other sources of ignition. These containers can explode and cause injury.

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SECTION 14. Transport Information

14.1. UN number

UN No. 1170

14.2. UN proper shipping name

UN proper shipping name: Ethanol (Ethyl Alcohol)

UN proper shipping name IATA / IMDG: Ethanol (Ethyl Alcohol)

14.3. Hazard classes for transport purposes

14.3.1. Land transport (ADR / RID)

Ground (ADR):

Technical name: Ethanol (Ethyl Alcohol)

Hazard identification number: 33

Classification code: F1

UN 1170 Class: 3 Label: 3



14.3.2. Inland waterway transport (DNA)

Class (DNA): 3

14.3.3. Shipping

Maritime (IMDG):

Technical name: Ethanol (Ethyl Alcohol)

UN 1170 Class: 3 Label: 3



14.3.4. Air Transport

Air (ICAO-IATA):

Technical name: Ethanol (Ethyl Alcohol)

UN 1170 Class: 3 Label: 3



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14.4. Packing group

Packing group: II

14.5. Environmental hazards

Other information: No information available.

14.6. Special precautions for the user

Data not available.

14.7. Bulk transport in accordance with Annex II of the Marpol 73/78 Convention and the IBC Code

Data not available.

SECTION 15. Regulatory information

15.1. Specific regulations / legislation for substances or preparations in the field of safety, health and environment

15.1.1. International Legislation

Authorizations / Restrictions on use: **not applicable.**

This product contains an ingredient according to the list of candidates in Annex XIV of the Regulation 1907/2006 / EC: **not applicable.**

- Regulation 1272/2008 / EC (Reg. CLP-GHS), of the European Parliament and of the Council, of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, and amendments.

15.1.2. National Regulation

Ordinance 1/93, of 2 January.

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SECTION 16. Other information

Meaning of classification abbreviations:

Acute Tox. 4 (Oral)	Acute toxicity, if swallowed. Category 4.
Eye Irrit. 2	Serious eye damage / eye irritation. Category 2.
Flam. Liq. 2	Flammable liquids. Category 2.
Skin Irrit. 2	Skin irritation. Category 2
STOT SE 3	Specific target organ toxicity (single exposure). Category 3.
F	Highly flammable.
Xi	Irritating
Xn	Harmful

Other abbreviations:

PBT (Persistent, Bio accumulative and Toxic): Persistent, bioaccumulative and toxic
vPvB: (very Persistent very Bio accumulative): Very persistent and very bioaccumulative

Full text of R-, H- and EUH phrases:

H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness
R11	Highly flammable.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36 / 37/38	Irritating to eyes, respiratory system and skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapors may cause drowsiness and dizziness.

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Meaning of classification abbreviations:

ADN	Europe Agreement on the International Transport of Dangerous Goods by Inland Waterway.
ADR / RID	European Agreement on the International Transport of Dangerous Goods by Road / Railroad.
ANPC	National Civil Protection Authority
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC50	Concentration that has an effect on 50% of organisms
LC50	Lethal concentration for 50% of organisms
CLP	Regulations for classification, labeling and packaging (EC Regulation No. 1272/2008)
CSR	Chemical safety report.
LD50	Median lethal dose.
DNEL	Derived level of exposure without effects.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IGAMAOT	General Inspection of Agriculture, Sea, Environment and Territorial Planning
IMDG	International code for the maritime transport of dangerous goods.
N.°CE	European Inventory of Existing Commercial Number Chemical Substances
NOAEL	Level with no observable adverse effects
NOEC	Concentration for which no effects are observed
PNEC	Concentration predictably without effects.
REACH	Registration, Evaluation, Authorization and Restriction of Chemical Products
VLE-CD	Exposure limit value - Short duration
VLE-MP	Exposure limit value - Weighted average.

Bibliographic references:

Information sources from suppliers.

Other information:

This information is based on our best knowledge of how to handle this product, under normal conditions and in accordance with the recommendations presented in packaging / technical literature. The combined use of other products or the change in the process of use, are the responsibility of the user.