

**USP MINERAL OIL**

REVISION DATE: 11/28/2020

1. - PRODUCT AND COMPANY IDENTIFICATION**Product name:** USP MINERAL OIL**Internal Code of product identification:****Company name:** USQUÍMICA DO BRASIL LTDA.**Address:** Rua da Lagoa, 431 – Cumbica – Guarulhos – SP.**Company Phone:** + 5511 3821-7000 (PBX system) – + 5511 2481-3355.**Emergency phone:** SUATRANS - COTEC - Environmental Emergency.

DDG (0800) 0111-767 - (0800) 7071-767 - 24 HOURS.

193 – Firefighters.

Main recommended uses for the substance: Industrial use.**2. - HAZARDS IDENTIFICATION****Classification of Substance:**

Aspiration hazard- Category 1.

Potential health information:

EYE CONTACT: May cause irritation if in direct contact for a long period. SKIN CONTACT:

Prolonged exposure may cause irritation.

INGESTION: If ingested it is not considered toxic but may cause irritation to the gastrointestinal tract.

GHS label elements, including precautionary phrases:

LABEL ELEMENTS	DATA
Product identification and supplier emergency telephone number.	Commercial Name: USP MINERAL OIL Emergency phone: SUATRANS - COTEC - Environmental Emergency. DDG (0800) 0111-767 - (0800) 7071-767 - 24 HOURS.
Hazard pictograms.	
Warning words.	DANGER
Danger phrases.	H304- Can be fatal if swallowed and penetrate into the respiratory tracts.
Precautionary phrases.	P103- Read the label before using the product. P260- Do not inhale dust/fume/gas/mist/vapors/spray. P264 - Wash skin thoroughly after handling. P272 - Contaminated work clothing must not leave the workplace. P280 - Wear eye protection/face protection. P280 - Wear protective gloves. P331- DO NOT induce vomiting. P301 + P310 - IN CASE OF INGESTION: Contact a TOXICOLOGICAL INFORMATION CENTER or physician immediately. P302 + P352- IN CASE OF SKIN CONTACT: Wash with plenty of water. P305 + P351 + P338 - IN CASE OF EYE CONTACT: Rinse thoroughly with water for several minutes. If contact lenses are used, remove them if it is easy. Continue rinsing. P333 + P313 - In case of irritation or skin rash: Consult a physician. P337+P313 - If eye irritation persists: consult a physician. P362 + P364 - Remove all contaminated clothing and wash it before using it again. P405- Store in a place locked with a key.

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	P501 - Dispose of contents/container to an approved waste disposal facility.
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Other hazards which do not result in classification:

No information found.

3. - COMPOSITION AND INFORMATION ABOUT INGREDIENTS**Substance:** MINERAL OIL.**Common chemical name or generic name:** USP Mineral Oil.**Chemical Abstract Service (CAS No):** 8042-47-5.**Impurities that contribute to the danger:**

Common chemical name or technical name of components	CAS registration number	Concentration range (%)
Mineral Oil	8042-47-5	100

4. - FIRST AID MEASURE**First aid measures:****Inhalation:** Remove casualty to uncontaminated, ventilated area. If breathing is difficult, give oxygen. Apply resuscitation maneuvers in case of cardiorespiratory arrest. Immediately forward to the nearest hospital.**Skin contact:** Remove clothing contaminated by the product. Wash contact areas with plenty of water and soap. If irritation persists, seek medical attention.**Eye contact:** Immediately wash eyes with running water for 15 minutes, lifting eyelids to allow maximum removal of product. seek medical attention.**- Ingestion:** Never give anything by mouth to an unconscious person. If a large amount of this substance is ingested, refer immediately to a doctor.**What actions must be avoided:** Induce vomiting. If vomiting occurs spontaneously, the victim must be laid on their side to prevent pulmonary aspiration. Never administer liquids to unconscious victims.**Brief description of the main symptoms and effects:** No known or expected symptoms.**Notes to the physician:** Do not give anything by mouth to an unconscious person. If necessary, symptomatic treatment should include, above all, supportive measures such as correction of hydro electrolytic, metabolic disorders, as well as respiratory assistance.**5. FIRE FIGHTING MEASURES****Suitable extinguishing measures:** Use carbon dioxide (CO₂), dry chemical powder, foam for hydrocarbons, water mist.**Inappropriate extinguishing measures:** Waterjet.**Specific hazards:** Normal combustion produces carbon dioxide (CO₂), water vapor, sulfur oxides and nitrogen. Incomplete combustion can produce carbon monoxide.**Additional indications:** Water must not be directed directly on the burning product, as it may spread and increase the intensity of the fire.**Fire fighter Protection:** Special protective equipment for personnel assigned to fight fires. Do not stay in the danger zone without self-contained breathing apparatus suitable for breathing independently of the environment. To avoid skin contact, maintain a safe distance and wear suitable protective clothing. Refresh closed containers exposed to fire with water spray. Suppress (shoot down) with water jets (fog) gases, vapors and mists. Avoiding contamination of surface water and groundwater with firefighting water.**6. MEASURES OF CONTROL FOR ACCIDENTAL SPILLS OR LEAKAGE****Personal precautions, protective equipment and emergency procedures:****Personnel who are not part of the emergency services:** Do not breathe vapors or aerosols. Avoiding contact with the substance. Ensuring adequate ventilation. Evacuating the danger area, observe emergency procedures. If

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necessary, consult an expert.

For the staff of the emergency department: Use complete PPE, with protective PVC gloves, safety glasses with side protection and suitable protective clothing. The material used must be waterproof. In case of large leaks, where exposure is great, it is recommended to use a protective mask with a filter against vapors or mists.

Removal of ignition sources: Keep away from sources of heat and ignition.

Prevention of inhalation and contact with skin, mucous membranes and eyes: See Section 8, Field: "Appropriate Personal Protective Equipment".

Precautions to the environment: Prevent spilled product from entering water courses. Collect the spilled product, place the material in appropriate containers for proper final destination.

Methods and materials for containment and cleaning: Clean the contaminated site with the product, using a water jet and directing it to the effluent treatment plant. In case of spill in a place where treatment with industrial effluent is not possible, collect the product using absorbent material such as vermiculite, sand, earth, etc.

Disposal: Waste must be disposed of in accordance with current Environmental Legislation. Keep chemicals in their original containers. Do not mix with other waste. Handling dirty containers must be carried out in the same way as the product itself. An MSDS of the waste must be generated.

Differences in the action of large and small leaks: For small quantities it can be an inert absorbent material; large quantities must be backfilled with earth, sand or other inert material. The product must be collected in suitable containers, properly identified, for later disposal. Washing the area with plenty of water, which must also be collected for disposal. Collecting contaminated soil. Risk of contamination of soils and rivers in the event of a large volume spill.

7. HANDLING AND STORAGE

Handling:

Technical measures Using only in areas provided with adequate exhaust ventilation. Providing the product handling area with a set of emergency shower and eye wash. Handling must only be done with the indicated PPE and under safe conditions.

Prevention of worker's exposure: Avoiding the formation of vapors/aerosols. Working with exhaust / chimney. Do not inhale the substance/mixture. Using specific PPE's - splash goggles, face shield, PVC gloves and protective clothing. Wash after handling and decontaminate PPE's after use. PPE's must be approved for use only with the respective CAs - Certificates of Approval.

Precautions and guidelines for safe handling: Use personal protective equipment (PPE) to avoid direct contact with the product. Handling the product in a well-ventilated place. Use a gloves and full body clothing when handling this product.

Storage:

Appropriate: Keep container tightly closed in a dry, cool and well-ventilated area. Keep in a cool, dry place in unopened original packaging.

To avoid: Avoid extreme heat.

Hygiene measures:

Appropriate: Always sanitize your hands before handling any food, as there is a risk of food contamination. Contaminated clothing must be washed and sanitized before use. Always keep gloves free from moisture and decontaminated.

Inappropriate: Direct contact with the product and/or its residues.

Technical measures

Suitable conditions: Observe all necessary measures to prevent the product from accidentally leaking into sewers or water courses, in the event of rupture of containers or transfer systems. Store in a dry, cool and ventilated place, protected from direct sunlight. Store in tightly closed original container.

Safe materials for packaging:

Recommendations: Carbon steel, stainless steel or high density polyethylene

Not suitable: Materials other than those recommended.

Further information: Protect from heat and sunlight.



8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Parameters of specific control: MAK: 5 mg/m³.

Components with parameters to be controlled in the workplace:

Biological indicators: Not found.

Other limits and values: N.A.

Measures of engineering control: Handling the product in a place with good natural or mechanical ventilation, in order to keep the concentration of vapors/dust below the tolerance limit. Provide mechanical ventilation and direct exhaust system to the outside environment. These measures help to reduce exposure to the product. It is recommended to make emergency showers and eye washes available in the work area. Engineering control measures are most effective in reducing product exposure.

Appropriate Personal Protective Equipment:

Protection for the eyes/face: Wear side goggles.

Skin protection: PVC gloves, safety shoes against chemical agents, PVC apron.

Respiratory protection: It is recommended to use a semi-facial respirator with filter for organic vapors.

Hand protection: PVC gloves.

Thermal hazards: The product is not expected to present a thermal hazard.

Further information: Avoiding contact with the skin, eyes and mucosa for a long period, carrying out instantaneous washing of the affected areas. Avoid wearing contact lenses while handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Clear liquid.

Color: Colorless.

Odor: Odorless.

Odor limit: not available.

pH: Not available.

Melting point / freezing point: Not available.

Initial boiling point and boiling temperature range: Not available.

Flash point: Min. 160°C.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Lower/upper flammability or explosiveness limit: Not available.

Vapor pressure: Not available.

Vapor Density: Not available.

Relative Density 0.820 to 0.860 g/cm³ at 20°C.

Solubility: water: Insoluble. Organic solvent: Soluble

Partition coefficient - n-octanol / water: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: 10.8 to 13.6 cSt at 40°C.

10. STABILITY AND REACTIVITY

Specific conditions:

Reactivity: Stable product if stored and handled under the proper and indicated conditions.

Chemical stability: Stable under usual handling and storage conditions.

Possibility of hazardous reactions: There are no known dangerous reactions.

Conditions to avoid: High temperatures, ignition sources and incompatible materials.

Incompatible materials: Oxidizing agents.

Hazardous decomposition products When decomposing, it can release toxic and irritating gases such as carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information according to the different routes of exposure:

**Acute toxicity**

Product is not classified as an acute oral toxicant. LD50 (oral, rats): > 5000 mg/kg

Skin corrosion/irritation.

The product is not expected to have skin irritation. Animal studies have not shown skin corrosion/irritation.

Severe ocular lesions/eye irritation:

The product is not expected to cause serious eye damage/eye irritation. Animal tests indicated research results as non-irritating.

Respiratory or skin sensitization

The product is not expected to show respiratory or skin sensitization. Tests in guinea pigs have shown negative results.

Germ cell mutagenicity

Does not show mutagenicity in germ cells. Negative results in *in vitro* assays with mouse lymphocytic cells.

Carcinogenicity

The product is not expected to be carcinogenic. Animal tests did not show potential for carcinogenicity.

Reproductive toxicity

The product is not expected to be reproductively toxic. Animal tests did not show changes in reproductive or developmental toxicity.

Specific target organ toxicity - single exposure

The product is not expected to present specific target organ toxicity by single exposure.

Specific target organ toxicity - repeated exposure

The product is not expected to present specific target organ toxicity by repeated exposure.

Aspiration hazard:

Can be fatal if swallowed and penetrate into the respiratory tracts.

Additional Information Product:

without any other information.

12. TOXICOLOGICAL INFORMATION

- Environmental effects, behaviors and impacts of the product:**Ecotoxicity:**

The product is not expected to present ecotoxicity. CL50 (96h, Fish (*Oncorhynchus mykiss*)): ≥ 100 mg/L. EC50 (48h), Crustacean (*Daphnia magna*): > 100 mg/L.

Persistence and degradability:

It is not easily biodegradable

Bio accumulative potential:

It has bio accumulative potential in aquatic organisms.

Mobility in soil

Low mobility in soil is expected.

Other adverse effects: In case of large spills, the product can cause undesirable environmental effects, with the formation of an oily film on the surface of the water, reducing oxygen levels.

13. CONSIDERATIONS ABOUT TREATMENT AND DISPOSAL

Recommended methods for final disposal:

The treatment and disposal of product residues must be done in a suitable environment, by people trained in the use of special equipment and the recommended PPE's to avoid contact with the product, its



vapors or mists. Leaks must be contained and collected for later disposal after neutralization.

Product:

Ensure all Federal, State and local agencies receive proper notice of spills and disposal methods. CONAMA Resolution 005/1993, Law No. 12,305, as of August 2, 2010 (National Solid Waste Policy).

Product waste:

Consult environmental regulatory agencies for advice on acceptable regulatory practices. Come in contact with relevant local authorities. It can be incinerated when in compliance with local regulations. Or dispose of in an approved chemical waste landfill.

Used Package:

Empty containers must be drained and covered before handling and transport operations. If the package is not properly washed and decontaminated, it is considered to contain the product.

14. TRANSPORT INFORMATION

National and International Terrestrial Regulations:

Resolution No. 5232 as of December 14, 2016 of the Brazilian National Land Transport Agency (ANTT), *Approves the Supplementary Instructions to the Land Transport of Dangerous Goods Regulations and their amendments.*

UN number: Product not covered by current regulations on the transport of dangerous products.

Appropriate name for shipment: -

Risk class: -

Risk subclass: -

Risk number: -

Packing group: -

Waterway:

DPC – Directorate of Ports and Coasts (Transport in Brazilian waters) Maritime Authority Regulations (NORMAM)

NORMAM 01/DPC: Vessels Used in Open-seas Navigation

UN number: Product not covered by current regulations on the transport of dangerous products.

Appropriate name for shipment: -

Risk class: -

Risk subclass: -

Risk number: -

Packing group: -

- Air Transport:

ANAC - National Civil Aviation Agency - Resolution No. 129 as of January 8, 2009

RBAC N°175 - (BRAZILIAN CIVIL AVIATION REGULATION) - TRANSPORTATION OF DANGEROUS ITEMS IN CIVIL AIRCRAFT

IS No. 175-001 - SUPPLEMENTARY INSTRUCTION - IS

ICAO – International Civil Aviation Organization – Doc 9284-NA/905 IATA – International Air Transport Association Dangerous Goods Regulation (DGR)

UN number: Product not covered by current regulations on the transport of dangerous products.

Appropriate name for shipment: -

Risk class: -

Risk subclass: -

Risk number: -

Packing group: -

15. REGULATIONS INFORMATION

Specific regulations for the chemical product:

Federal Decree No. 2,657, as of July 3, 1998;

Standard ABNT-NBR 14725:2014;



Ordinance No. 229, as of May 24, 2011 – Changes Regulatory Standard No. 26.

16. - OTHER INFORMATION

The information on this sheet corresponds to the current state of our knowledge and experience of the product and is not exhaustive. It applies to the product under the conditions specified, unless otherwise stated. In case of combinations or mixtures, make sure that no new danger can appear. This information does not, in any case, exempt the user of the product from complying with all legislative, regulatory and administrative texts relating to the product, safety, hygiene and protection of human and environmental health.

Bibliographical References:

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