

Product: Wax Bitumen

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1. Identification

Product identifier: Wax Bitumen

Recommended use of the chemical: Used for ageing effects finishing in artistic paintings and handcrafts.

Identification Code: 17759

Supplier's name: Acrilex Tintas Especiais S.A.

Address: Estrada Galvão Bueno, Nº 5000 - Batistini

Complement: São Bernardo do Campo - São Paulo

Supplier's phone number: (11) 4397-9255

Emergency phone number: (11) 4397-9258

2. Hazard identification

Classification of the substance or mixture: Flammable liquids: Category 4 - Skin corrosion/irritation: Category 3 - Eye damage/irritation: Category 2B - Specific target organ toxicity (single exposure): Category 3 - Aspiration hazard: Category 2 - Hazardous to the aquatic environment – short-term (acute) hazard: Category 3

GHS labelling



Signal Word: Warning

Hazard Statement: H227 - Combustible liquid . H316 - Causes mild skin irritation . H320 - Causes eye irritation . H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. H305 - May be harmful if swallowed and enters airways . H402 - Harmful to aquatic life .

Precautionary statements:

- **General:** P102 - Keep out of reach of children.
- **Prevention:** P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources . No smoking. P271 - Use only outdoors or in a well-ventilated area.
- **Response:** P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...P331 - Do NOT induce vomiting.
- **Storage:** P403 + P235 - Store in a well-ventilated place. Keep cool.
- **Disposal:** P501 - Dispose of contents/container to in a suitable place.

Other hazards which do not result in classification: The presence of the asphalt solution in the product can cause irritation to the mouth and throat, and digestive tract disorder. if inhaled can cause respiratory irritation

Other information: Inflammable product



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3. Composition/Information on ingredients

Product Type: Mixture

Hazardous ingredients or impurities and/or stabilizing additives which contribute to hazard classification:

Chemical identity	CAS N°	Percentages or ranges of percentages
Mixture of vegetable and synthetic waxes in aliphatic hydrocarbon	-	50 - 60
Aliphatic hydrocarbon	64742-47-8	12 - 20
Asphalt (bitumen)	8052-42-4	18 - 20

4. First-aid measures

First-aid measures

- **Inhalation:** Remove the victim to fresh air and keep at rest in a comfortable position for breathing. Seek for medical assistance.
- **Skin contact:** Remove contaminated clothing, wash with water and soap. Seek for medical assistance.
- **Eye contact:** Wash with plenty water for 15 minutes, keep the eyelids open. Seek for medical assistance.
- **Ingestion:** Do NOT induce vomiting. Seek for medical assistance.

Most important symptoms/effects, acute and delayed: Causes mild skin irritation. Causes eye irritation. May cause respiratory irritation. MAY cause drowsiness or dizziness. May be fatal if swallowed and enters airway.

Indication of immediate medical attention and special treatment: Symptomatic treatment.

5. Fire-fighting measures

Suitable extinguishing media: Water fog , foam, CO2 , dry chemical.

Unsuitable extinguishing media: Direct water jet.

Specific hazards arising from the chemical: Avoid contact with flames or heat sources

Special protective actions for fire-fighters: During combat wear full protective clothing for fire and SCBA

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel:** Personal protective equipment.
- **For emergency responders:** Personal protective equipment.

Environmental precautions: Shut off leak if possible, do not direct the spilled material to any public drainage



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systems. Avoid the possibility of contamination of surface water or springs. Restrict spill to the smallest area possible. The drag water must take into account the further treatment of contaminated water. Avoid making this drag.

Methods and materials for containment: Absorb with soil or other absorbent material.

Area isolation: As an immediate precautionary action, isolate the area within a radius of 50 meters, to say the least, in all directions

Methods and materials for cleaning up: Recovery: Collect the product in an emergency container, duly labeled and well closed. Keep the recovered product for subsequent disposal. Disposition: Do not dispose in the trash. Do not dispose in the sewage system or watercourses. Confine if possible, for later recovery or disposal. The final disposal of this material should be accompanied by an expert and in accordance with environmental regulations

7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** Use personal protective equipment to avoid contact with the product
- **Fire and explosion:** Keep away from heat, sparks, open flames and hot surfaces. - Do not smoke. Keep container tightly closed
- **Precautions for safe handling:** Use personal protective equipment indicated. Manipulating respecting the general safety and industrial hygiene
- **Hygiene measures**
 - **Suitable:** Wash your hands before eating, drinking or using the toilet. Contaminated clothes should be changed and washed before reuse.
 - **Unsuitable:** Do not eat, drink or smoke during the product handling.

Conditions for safe storage

- **Conditions for safe storage:** Store in properly designed and approved tanks, or metal containers such as drums and cans tightly closed. In well-ventilated place at room temperature, atmospheric pressure, and away from heat, strong oxidizers and ignition sources
- **Conditions to avoid including incompatibilities:** Humid, discovered, and airless. Avoid strong oxidizing agents (liquid chlorine and concentrated oxygen)
- **Packaging materials**
 - **Suitable:** Carbon steel drums and / or plastic packaging
 - **Unsuitable:** Not Available.

Other information: Not Available.

8. Exposure controls/personal protection

Control parameters



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- **Occupational exposure limits:** Not Available.
- **Biological indicators values:** Not Available.
- **Other limits and values:** Not Available.

Appropriate engineering controls: Maintain adequate ventilation. Keep emergency shower and eye shower close to workplaces.

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses for chemical products.
- **Skin protection:** Gloves, PVC apron and closed shoes according to working conditions.
- **Respiratory protection:** Mask with chemical filter for organic vapor protection.
- **Hands protection:** PVC gloves or others resistant to organic solvents.
- **Thermal hazards:** Not available.

Other information: Not Available.

9. Physical and chemical properties

- **Appearance**
Physical state: Liquid.; **Form:** Pasty.; **Color:** Black
- **Odour:** Typical.
- **Odour threshold:** Not available.
- **pH:** Not available
- **Melting point/freezing point:** Not available.
- **Initial boiling point:** Not available.
- **Boiling range:** Not available.
- **Flash point:** 65 °C Test: (closed cup)
- **Evaporation rate:** Not available.
- **Flammability (solid, gas):** Not available.
- **Lower flammability or explosive limits:** Not available.
- **Upper flammability or explosive limits:** Not available.
- **Vapour pressure:** Not available
- **Vapour density:** Not available.
- **Relative density:** 0,850 g/cm³
- **Solubility(ies):** Insoluble in water
- **Partition coefficient: n-octanol/water:** Not available.
- **Auto-ignition temperature:** Not available.
- **Decomposition temperature:** Not available.
- **Viscosity:** 200 -250 Poise
- **Additional information:** Not available

10. Stability and reactivity



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Chemical stability: Stable in normal conditions of storage and handling.

Reactivity: Not available.

Possibility of hazardous reactions: None, when the product is stored, handled and processed correctly.

Conditions to avoid: Exposure to high temperatures for prolonged periods may cause changes in the product.

Incompatible materials: Strong oxidizing agents (liquid chlorine and concentrated oxygen)

Hazardous decomposition products: Incomplete combustion emits irritating , corrosive and toxic gases

11. Toxicological information

Acute toxicity: The product is not classified according to criteria for this hazard GHS

Skin corrosion/irritation: Causes mild skin irritation

Serious eye damage/irritation: Causes eye irritation

Respiratory or skin sensitization: The product is not classified according to criteria for this hazard GHS

Germ cell mutagenicity: The product is not classified according to criteria for this hazard GHS

Carcinogenicity: The product is not classified according to criteria for this hazard GHS

Reproductive toxicity: The product is not classified according to criteria for this hazard GHS

STOT-single exposure: May cause dizziness or drowsiness. May cause respiratory irritation

STOT-repeated exposure: The product is not classified according to criteria for this hazard GHS

Aspiration hazard: May be fatal if swallowed and enters airways.

Additional information: The presence of the asphalt solution in the product can cause irritation to the mouth and throat, and digestive tract disorder. If inhaled can cause respiratory irritation.

12. Ecological information

Toxicity: Harmful to aquatic organisms

Persistence and degradability: The product is persistent and is not considered rapidly degradable.

Bio accumulative potential: It is not expected that the product has potential bioaccumulative

Mobility in soil: Product miscible in water , it is expected mobility in soil

Other adverse effects: Not available

13. Disposal considerations

Disposal methods

- **Product:** The treatment and disposal of the product should be technically evaluated, case by case. Remaining products must be discarded in authorized installation.
- **Used package:** Do not reuse packaging

14. Transport information



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National and international regulations:

Land Transport:

- **UN Number:** 1999
- **UN Proper Shipping Name:** TARs, LIQUID, including road oils, and cutback bitumens
- **Class or division:** 3 - Flammable liquids
- **Risk number:** 30
- **UN Packing group:** III
- **Technical name:** Wax bitumen
- **Environmental hazards:** Yes
- **Terrestrial (Road) Transport Regulation:** ONU - Orange Book

Sea Transport:

- **IMDG/GGVSea/ONU:** 1999
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **EmS:** -
- **Technical name:** Wax bitumen
- **Marine Pollutant:** Yes
- **Waterway Transport Regulation:** - IMDG Code handbook (International Maritime Dangerous Goods Code) from IMO (International Maritime Organization)

Aerial Transport:

- **ICAO/IATA/ONU:** 1999
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **Technical name:** Wax bitumen
- **Environmental hazards:** Yes
- **Aerial Transport Regulation:** - IATA handbook (International Air Transportation Association)

15. Regulatory information

Safety, health and environmental regulations specific for the product:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

16. Other information

Other information that does not belong in other sections:

This Safety Data Sheet (SDS) has been prepared based on current knowledge about chemicals and provides information about protection, safety, health and environment. It is warned that any chemical handling requires



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prior knowledge of its hazards by the user. The user company is responsible to promote the training of its employees about the potential product risks.

References: [ECHA] EUROPEAN CHEMICAL AGENCY. Available in: <http://echa.europa.eu/>
[HSNO] NEW ZEALAND HSNO Chemical Classification and Information Database (CCID)
[OSHA] OSHA'S Hazard Communication. Available in: <https://www.osha.gov/dsg/hazcom/>
[GHS] Globally Harmonized System of Classification and Labelling of Chemicals

Subtitles and abbreviations: ACGIH - American Conference of Governmental Industrial
BCF - Bioconcentration factor
CAS - Chemical Abstracts Service