

Product: Outline Relief Paste

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1. Identification

Product identifier: Outline Relief Paste

Recommended use of the chemical: Relief effect Paste to make drawings and to imitate the technique of the stained glass. For Glass, ceramic, porcelain, faience, wood, plaster and acetate. Its fixation on non-porous materials such as glass and porcelain depends on the application of Glass Enamel and Varnish. Only for decorative purpose.

Identification Code: 08220

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 3 - Acute toxicity – oral: Category 5 - Skin corrosion/irritation: Category 3 - Eye damage/irritation: Category 2B - Specific target organ toxicity (single exposure): Category 3

GHS labelling



Signal Word: Warning

Hazard Statement: H226 - Flammable liquid and vapour . H303 - May be harmful if swallowed . H316 - Causes mild skin irritation . H320 - Causes eye irritation . H336 - May cause drowsiness or dizziness.

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.
- **Response:** P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **Storage:** P235 - Keep cool.
- **Disposal:** P501 - Dispose of contents/container to in a suitable place.

Other hazards which do not result in classification: Product not suitable for use on skin

Other information: Not available



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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
Ethylene glycol monobutyl ether	111-76-2	6 - 12
Hydrotreated light distillates (petroleum)	64742-82-1	35 - 40
Acrylic resin	9011-15-8	35 - 40
organic pigment	-	2 - 15

4. First-aid measures

First-aid measures

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

Most important symptoms/effects, acute and delayed: May be harmful if swallowed. It causes mild skin irritation. Causes eye irritation. May cause drowsiness or dizziness.

Indication of immediate medical attention and special treatment: Symptomatic treatment

5. Fire-fighting measures

Suitable extinguishing media: Foam for hydrocarbons, water fog , dry chemical and carbon dioxide (CO₂). Cool with fog d water, the containers exposed to fire . Remove the fire area of containers , if this can be done without risk

Unsuitable extinguishing media: Direct waterjet

Specific hazards arising from the chemical: Vapors may travel to an ignition source and cause kickback flames . Containers may explode in the heat of the fire. There is steam explosion hazard indoors or sewage system. Keep it away from the tanks . Fire can cause the emission of irritating gases or poisonous

Special protective actions for fire-fighters: Personal protective equipment . Indoors, use rescue equipment with air supply

6. Accidental release measures



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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 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 this drag

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

Area isolation: Isolate and signal the location

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 the environmental regulations

7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** Handle in accordance with established safety standards. Use personal protective equipment
- **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. Avoid contact with skin, eyes and mucous membranes . Handle the product in a cool, dry place away from heat sources
- **Hygiene measures**
 - **Suitable:** Wash your hands before eating , drinking or using the toilet . Contaminated clothing should be changed and washed before reuse
 - **Unsuitable:** Do not eat , drink or smoke while handling the product

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:** Avoid wet areas , uncovered , without ventilation and ignition sources . Avoid contact with strong oxidizing agents (liquid chlorine and concentrated oxygen)
- **Packaging materials**
 - **Suitable:** Metal drums without inner coating varnish
 - **Unsuitable:** Not available

Other information: Not available



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8. Exposure controls/personal protection

Control parameters

- **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 eyewash next workplaces

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses for chemicals
- **Skin protection:** PVC gloves and apron
- **Respiratory protection:** At low concentrations, wear respirator with chemical filter for organic vapors. At high concentrations, use breathing apparatus or set of air sent
- **Hands protection:** PVC gloves or other resistant to organic solvents
- **Thermal hazards:** Not available

Other information: Clean clothes and shoes after use. General control methods used in industrial hygiene should minimize product exposure. Do not eat, drink or smoke when handling chemicals. Separate working clothes from ordinary clothes

9. Physical and chemical properties

- **Appearance**
Physical state: Liquid; **Form:** Pasty; **Color:** Several (As Catalog)
- **Odour:** Distinctive
- **Odour threshold:** Not available
- **pH:** Not applicable
- **Melting point/freezing point:** Not available
- **Initial boiling point:** Not available
- **Boiling range:** Not available
- **Flash point:** 40 ° C (closed cup)
- **Evaporation rate:** Not available
- **Flammability (solid, gas):** Not available
- **Lower flammability or explosive limits:** 3,3%
- **Upper flammability or explosive limits:** 19%
- **Vapour pressure:** Not available
- **Vapour density:** Not available
- **Relative density:** 0,95 - 0,96 g/cm³



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- **Solubility(ies):** Mineral Spirits soluble or Solvent Acrilex
- **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

Chemical stability: Stable under normal conditions of storage and handling

Reactivity: Not available

Possibility of hazardous reactions: No, when the product is stored, handled and processed correctly

Conditions to avoid: Exposure to high temperatures for a long time

Incompatible materials: Not available

Hazardous decomposition products: You can release toxic gases during burning

11. Toxicological information

Acute toxicity: Harmful if swallowed. Oral ATEmix = 4167 mg / kg; ATEmix dermal = 9167 ATEmix = 92 mg / L

Skin corrosion/irritation: It causes 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 drowsiness or dizziness

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

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

Additional information:

12. Ecological information

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

Persistence and degradability: Not available

Bio accumulative potential: Not available

Mobility in soil: Moderately volatile

Other adverse effects: Can contaminate groundwater

13. Disposal considerations



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Disposal methods

- **Product:** Treatment and disposal of the product must be technically evaluated case by case . Product remains must be authorized facility in discarded
- **Used package:** Discard them in authorized installation . Do not reuse packaging

14. Transport information

National and international regulations:

Land Transport:

- **UN Number:** 1263
- **UN Proper Shipping Name:** TINTA (incluindo tintas, lacas, esmaltes, tinturas, gomalacas, vernizes, polidores, enchimentos líquidos e bases líquidas para lacas) ou MATERIAL RELACIONADO COM TINTAS (incluindo diluentes ou redutores para tintas)
- **Class or division:** 3 - Flammable liquids
- **Risk number:** 30
- **UN Packing group:** III
- **Technical name:** Outline relief Past
- **Environmental hazards:** Yes
- **Terrestrial (Road) Transport Regulation:** ONU - Orange Book

Sea Transport:

- **IMDG/GGVSea/ONU:** 1263
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **Technical name:** Outline relief Past
- **Marine Pollutant:** Yes
- **Waterway Transport Regulation:** - IMDG Code handbook (International Maritime Dangerous Goods Code) from IMO (International Maritime Organization)

Aerial Transport:

- **ICAO/IATA/ONU:** 1263
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **Technical name:** Outline relief Past
- **Environmental hazards:** Yes
- **Aerial Transport Regulation:** - IATA handbook (International Air Transportation Association)

15. Regulatory information



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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 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