

**Product: SOLVENT**

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## 1. Identification

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**Product identifier:** SOLVENT

**Recommended use of the chemical:** Dilution of lacquer and enamel paints Stained glass , mother of pearl base and Varnish Crystal Acrilex

**Identification Code:** 15710 / 15750

**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

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**Classification of the substance or mixture:** Flammable liquids: Category 3 - Acute toxicity – oral: Category 4 - Acute toxicity – dermal: Category 5 - Acute toxicity – inhalation: Category 4 - Eye damage/irritation: Category 2A - Specific target organ toxicity (single exposure): Category 3 - Specific target organ toxicity (repeated exposure): Category 1 - Aspiration hazard: Category 1 - Hazardous to the aquatic environment – short-term (acute) hazard: Category 1

### GHS labelling



**Signal Word:** Danger

**Hazard Statement:** H226 - Flammable liquid and vapour . H302 - Harmful if swallowed . H313 - May be harmful in contact with skin . H332 - Harmful if inhaled . H319 - Causes serious eye irritation . H336 - May cause drowsiness or dizziness. H372 - Causes damage to organs. H304 - May be fatal if swallowed and enters airways . H400 - Very toxic 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.
- **Response:** P303 + P361 + P353 - IF ON SKIN (on hair): take off immediately all contaminated clothing. Rinse skin with water [or shower].
- **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:** Can cause abdominal pain and gastric irritation . May



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cause headache, nausea, dizziness and mental confusion

**Other information:** Vapours of this product can irritate the eyes , mucous membranes and skin. In high concentrations it can cause narcosis

## 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
Xylenes (ortho , meta, para)	1330-20-7	49 - 51
Ethylene glycol monobutyl ether	111-76-2	49 - 51

## 4. First-aid measures

### First-aid measures

- **Inhalation:** Remove to an uncontaminated place , apply artificial respiration if there is respiratory arrest. Forward to medical care
- **Skin contact:** Immediately remove contaminated clothing and shoes . Wash skin with plenty of water for at least 20 minutes, preferably under an emergency shower . Seek medical assistance immediately, taking the product label whenever possible
- **Eye contact:** Rinse with plenty of water for 20 minutes, keeping eyelids open. Preferably use an eyewash . Seek medical assistance immediately, taking the product label whenever possible
- **Ingestion:** Do not induce vomiting . If the victim is conscious, rinse your mouth with plenty of clean water . Seek medical assistance immediately, taking the product label whenever possible

**Most important symptoms/effects, acute and delayed:** Harmful if swallowed. Harmful if inhaled. May be harmful in contact with skin . It causes skin irritation. Causes serious eye irritation . May cause drowsiness or dizziness. Causes damage to organs. May be fatal if swallowed and enter airways. Can cause abdominal pain and gastric irritation . Can cause headaches , nausea, dizziness and mental confusion

**Indication of immediate medical attention and special treatment:** Central nervous system depressant . Symptomatic treatment . No specific antidotes

## 5. Fire-fighting measures

**Suitable extinguishing media:** Foam for hydrocarbons, watercourses fog , dry chemical and carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:** Direct waterjet



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**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:** Indoors, use rescue equipment with air supply

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel:** Personal protective equipment . Avoid contact with eyes and skin . Avoid inhalation of mist / vapors . Avoid direct contact with the liquid
- **For emergency responders:** Use of SCBA and suitable protective clothing . Indoors, use rescue equipment with air supply

**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:** Keep unauthorized persons away from the area

**Methods and materials for cleaning up:** Collect the product in an emergency container , duly labeled and well closed. Keep the recovered product for subsequent disposal

### 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:** Provide local exhaust ventilation where processes so require. All conductive parts of the system in contact with the product must be electrically grounded . Use anti- sparking tools
- **Precautions for safe handling:** Use personal protective equipment. Manipulating respecting the general safety and industrial hygiene
- **Hygiene measures**
  - **Suitable:** 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
  - **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:** Humid, discovered, and airless . Avoid strong oxidizing agents ( liquid chlorine and concentrated oxygen )



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- **Packaging materials**
  - **Suitable:** Carbon steel drums and / or plastic packaging
  - **Unsuitable:** Not available

Other information: Not available

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## 8. Exposure controls/personal protection

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### Control parameters

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

**Appropriate engineering controls:** Not available

### Individual protection measures, such as personal protective equipment

- **Eye/face protection:** In operations where there may be projections or splashing , it is recommended the use of safety goggles or face shield
- **Skin protection:** In direct contact activities with the liquid, use waterproof gloves , aprons and boots PVA
- **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:** Impervious gloves (teflon , PVA , Viton )
- **Thermal hazards:** Not available

Other information: Not available

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## 9. Physical and chemical properties

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- **Appearance**
  - Physical state:** Liquid; **Form:** Liquid; **Color:** Colorless
- **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:** 32°C (closed cup )
- **Evaporation rate:** Not available
- **Flammability (solid, gas):** Not available



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- **Lower flammability or explosive limits:** 1%
- **Upper flammability or explosive limits:** 6,6%
- **Vapour pressure:** Not available
- **Vapour density:** Not available
- **Relative density:** 0,847
- **Solubility(ies):** Insoluble in water
- **Partition coefficient: n-octanol/water:** Not available
- **Auto-ignition temperature:** Not available
- **Decomposition temperature:** Not available
- **Viscosity:** Not available
- **Additional information:** Distillation range: 132 - 144°C

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## 10. Stability and reactivity

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**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 and ignition sources

**Incompatible materials:** Not available

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

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## 11. Toxicological information

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**Acute toxicity:** Harmful if swallowed. Harmful if inhaled. May be harmful in contact with skin . ATEmix Oral = 816.99 ; ATEmix Dermal = 2156.86 ; ATEmix Inhalation = 10.78

**Skin corrosion/irritation:** It causes skin irritation

**Serious eye damage/irritation:** Causes serious 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:** Causes damage to organs

**Aspiration hazard:** May be fatal if swallowed and enter airways

**Additional information:** Can cause abdominal pain and gastric irritation . May cause headache, nausea, dizziness and mental confusion

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## 12. Ecological information

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**Toxicity:** Very toxic to aquatic organisms

**Persistence and degradability:** Not available



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**Bio accumulative potential:** Not available

**Mobility in soil:** Moderately volatile

**Other adverse effects:** As in most oil , its presence in water can impart undesirable qualities to water , compromising its use . Can contaminate groundwater

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## 13. Disposal considerations

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### Disposal methods

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

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## 14. Transport information

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### National and international regulations:

#### Land Transport:

- **UN Number:** 1307
- **UN Proper Shipping Name:** XYLENES
- **Class or division:** 3 - Flammable liquids
- **Risk number:** 30
- **UN Packing group:** III
- **Technical name:** Mistura de hidrocarbonetos e glicóis
- **Environmental hazards:** Yes
- **Terrestrial (Road) Transport Regulation:** ONU - Orange Book

#### Sea Transport:

- **IMDG/GGVSea/ONU:** 1307
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **Technical name:** Mistura de hidrocarbonetos e glicóis
- **Marine Pollutant:** Yes
- **Waterway Transport Regulation:** Manual IMDG Code (International Maritime Dangerous Goods Code ) of IMO (International Maritime Organization)

#### Aerial Transport:

- **ICAO/IATA/ONU:** 1307
- **Transport hazard class(es):** 3
- **UN Packing group:** III
- **Technical name:** Mistura de hidrocarbonetos e glicóis
- **Environmental hazards:** Yes



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- **Aerial Transport Regulation:** IATA Manual ( International Air Transportation Association )

**Additional Regulation:** Not available

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### 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)

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### 16. Other information

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**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