



MATERIAL SAFETY DATA SHEET – MSDS

MSDS 015

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BREUTEX

1. IDENTIFICATION OF PRODUCT AND COMPANY

Trade name:	BREUTEX
Internal number – SDS	015
Company:	SOCER BRASIL Indústria e Comércio Ltda.
Address:	Estrada Municipal Manduri-São Berto, km 10 CEP: 18780-000 – Mailbox: 40.
Phone	(+55) (14) 3356 - 1511
Fax:	-----
Emergency phone:	(+55) (14) 3356 - 1511
E-mail and site:	fispq@resinasbrasil.com.br http://www.gruporesinasbrasil.com.br/
Main recommended uses:	Wax residue, adhesives and rubbers.

2. HAZARDS IDENTIFICATION

Classified in accordance with Global Harmonized System (GHS) – Regulated by OSHA (Occupational Safety & Health Administration)

Dermal sensitization Category 1.

Other hazards which do not result in a classification The product does not present other hazards

Labelling elements

Pictograms



Signal word Warning

Hazard statements H317 May cause allergic skin reaction.

Precautionary statements
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 – Do not get in eyes, on skin, or on clothing.
P280 – Wear protective gloves / protective clothing / eye protection / face protection.
P321 – Specific treatment: see on section 4.
P302 + P352 – IN CASE OF SKIN CONTACT: Wash with soap and water in abundance.



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P333 + P313 – If skin irritation or rash occurs: Get medical attention.

P362 + P364 – Remove any contaminated clothing and wash clothing before reuse.

P501 – Dispose of contents / container to licensed landfill according to local regulations: municipal, state and federal.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

THIS PRODUCT IS A SUBSTANCE.

Ingredients or impurities that contribute to the danger:


Chemical name	CAS	EINECS	Weight %
ROSIN	8050-09-7	232-475-7	100
REACH Number	01-2119480418-32-0025		

4. FIRST-AID MEASURES

Inhalation	Remove the victim for ventilated location and to keep in a position that does not impede breathing. If necessary make use of artificial respiration. If you feel unwell seek a VERY INFORMATION CENTER or a doctor. Take this MSDS.
Skin contact	Remove contaminated clothes. Rinse and then wash skin with water and SOAP. If irritation persists seek medical attention. Take this MSDS.
Eyes contact	Rinse thoroughly with plenty of water for several minutes (remove contact lenses if possible). If the irritation persists seek medical attention. Take this MSDS.
Ingestion	Do not induce vomiting. Ingest one or two glasses of water. Immediately seek medical attention. Take this MSDS. Do not induce vomiting. Ingest one or two glasses of water. Immediately seek medical attention. Take this MSDS.
Most importante symptoms and effects, both acute and delayed	Does not have specific symptoms.
Notes to physician	Shows no specific treatment. Treat symptomatically. Consult a poison center if they are ingested or inhaled large amounts.

5. FIRE FIGHTING MEASURES

Extinguishing media	Recommended: foam, dry chemical powder, carbon dioxide. Not recommended: water jet.
Specific hazards of the substance mixture	During combustion releases toxic gases, including carbon monoxide. Irritant gases are also issued.
Protection measures team of fire-fighting	Fire-fighters should wear appropriate protective equipment and Do not induce vomiting. Ingest one or two glasses of water. Immediately seek medical attention. Take this MSDS. self-

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contained respiratory (SCBA) with a full face mask operand in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

To people who are not part of the Emergency Service

Unprotected people away from the scene. Provide adequate ventilation if possible. Isolate access to the site. Contact the emergency sector and use EPI´s described in section 8 if possible.

To Emergency Service personnel

Use appropriate IPE for the treatment, such as gloves, dust masks and wear eye protection.

Environmental precautions

Prevent product from reaching water courses and drainage networks. Prevent product penetration into the soil so they don't contaminate groundwater and wells. Inform the competent authorities about the penetration of larger quantities.

Methods and materials for containment and cleaning

Remove the packaging from the spill area. Do not use air hose for cleaning. Sweep with care to avoid generation of dust. Pull vacuum all the dust accumulated on the surfaces and remove to a chemical waste disposal area. Dispose of through a waste disposal company. If hot and melted, let cool to solidify. Then, scrape it off the floor and sweep up the place.

Differences in the action of large and small leaks

The methods are the same for both cases, and in accordance with the previously explained.

7. HANDLING AND STORAGE

Measures appropriate techniques for handling

Appropriate Technical measures for handling

Use protective gloves, mask of gases and vapours, rubber boots and other EPIs discriminated in section 8 of this MSDS. Handling the product must be carried in well-ventilated area or with ventilation/exhaust system. The site must have a washing system, for use if necessary. The site must have emergency shower and eye wash, well-signposted. These locations should be marked clearly. Everything must be clearly labeled, as well as equipment and pipelines. Use only the amount needed, avoiding excess in the workplace. Keep the packaging closed properly.

Hygiene measures

Do not consume food and drinks in the workplace, having the appropriate places for these purposes. Avoid contact with the skin. Avoid contact with eyes. If there is contact rinse the affected spot with plenty of water. Avoid inhalation of dust or when heated to avoid inhaling the fumes. Avoid contact with clothing. Contaminated clothes must be exchanged and carefully cleaned. Provide bathrooms with showers and, if possible, locations with separate storage cabinets for street clothes and working clothes. The skin should be washed with

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SOAP and water before breaks and at the end of the work. Apply skin care products after washing. Take care of personal hygiene.

Conditions for safe storage, including any incompatibilities

Fire and explosion prevention

The product should be kept away from heat, spark, open flame or hot surfaces. No smoking on the premises.

Appropriate conditions

Keep container closed and stored in a dry, cool and well-ventilated place. Open packs must be carefully sealed and kept upright to prevent leakage. Stable product under appropriate storage conditions. The storage is not allowed in hallways, walkways, stairs, corridors and public corridors, on rooftops, in attics, and workrooms.

Suitable materials for packing

Paper bags or rafia, cardboard box and zinc barrels.

Unsuitable materials for packing

Does not have any restrictions on the packaging, as long as it is clean and dry. However, it is recommended to use original-like packaging.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational exposure limits

TLV-TWA: no presents parameters (ACGIH, 2014).
 PEL-TWA: no presents parameters (OSHA, 2014).
 REL-TWA: no presents parameters (NIOSH, 2010).

Biological indicators

EIB: does not display parameters (NIOSH/OSHA, 2012).

Other limits and values

Not established.

Engineering control measures

The workplaces must be separated from the product storage, if possible. Washing installation at the workplace and storage if necessary. Mechanical ventilation or exhaustion must be installed to reduce the exposure to the product. If necessary also the presence of emergency showers and eye washes in the places where the exposure occurs.

Personal protective measures

Eye/face protection

Use safety glasses with side protection.

Skin protection

If necessary use suitable protective clothing. Use protective gloves nitrile Rubber/nitrile type-LaTeX-NBR (0.35 mm), Fluoro rubber-carbon FKM (0.4 mm).

Breath protection

If the product is heated it is recommended the use of masks with gas filter.

Thermal hazards

When heated gases irritants and releases the use of masks for steam, eye protection, protective gloves and clothing resistant to solvent.

9. PHYSICAL AND CHEMICAL PROPERTIES



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Appearance (physical state, shape, color, etc.)	Yellowish to Amber scales to 25° C
Odor and odor threshold	Characteristic of colophony.
pH	Not applicable.
Melting/freezing point	70 – 78 °C.
Initial boiling point and boiling range	Not applicable.
Flash point	> 205°C.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Lower/upper limit flammability or explosion	Not applicable.
Steam pressure	Not applicable.
Vapor density	Not applicable.
Relative density	1.129 g/cm ³ to 20° C .
Solubility(s)	Miscible.
Partition coefficient – n-octanol/water	Log Kow (Pow): 5,46 at 20 °C.
Auto-ignition temperature	> 400°C at 1013 hPa.
Decomposition temperature	Not applicable.
Viscosity	Not applicable.

10. STABILITY AND REACTIVITY

Reactivity	Product not self-reactive at normal temperatures and pressures.
Chemical stability	Stable product under normal conditions of temperature and pressure.
Possibility of hazardous reactions	Avoid contact with strong oxidizing agents.
Conditions to avoid	High temperatures and exposure to air can cause decomposition or oxidation of the product.
Incompatible materials	Avoid contact with strong oxidizing agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity



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Oral, rats	LD50: >5000 mg/kg.
Dermal, rabbits	LD50: >5000 mg/kg.
Inhalation, rats	Not applicable.
Skin irritation/corrosion	Product does not cause irritation to the skin.
Serious eye damage / Eye irritant	Product does not cause irritation in the eyes.
Sensitization respiratory/skin	May cause allergic skin reaction.
Germ cell mutagenicity	No data available to indicate that the product or any of the components above 0.1% is mutagenic or genotoxic.
Carcinogenicity	(ACGIH) A4-not classifiable as a human carcinogen.
Reproductive toxicity	Workers ' exposure over time to the present day, has not in any harm to the reproductive system.
Toxicity for target specific organ – single exposure	Workers ' exposure over time to the present day, has not in any harm to specific organs.
Toxicity for specific target organ – prolonged exposure	Workers ' exposure over time to the present day, has not in any chronic damage to anybody.
Aspiration hazard	Does not present an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Does not present risks to the environment. Does not present risks to the environment.
Persistence and degradability	Inherent biodegradable product.
Bioaccumulative potential	BCF: 53.23 shows no significant bioacúmulo.
Mobility in soil	Not applicable.
Other adverse effects	Other environmental effects are not known for this product.

13. DISPOSAL CONSIDERATION

Recommended methods for final disposal (s)

Product	The product can be incinerated in special chemical waste according to local regulations regarding the disposal of special waste. The disposal must be done in accordance with local and national standards.
Products remains	The waste can be incinerated in special chemical waste according to local regulations regarding the disposal of special waste. The disposal must be done in accordance with local and national standards.



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Used packaging

Do not reuse empty containers. These packages may contain remains of the product and must be kept closed and forwarded to appropriate disposal according to local laws.

IPE required for the handling of discards

Use protective gloves powder-free nitrile rubber or fluorocarbon. Use safety glasses with side protection and suitable clothing as set forth in section 8-protection for the body.

14. TRANSPORT INFORMATION**National and International regulations**

Terrestrial	Product is not classified as hazardous for transport.
Waterways	Product is not classified as hazardous for transport.
Aerial	Product is not classified as hazardous for transport.

15. REGULATORY INFORMATION

Specific regulations safety, health and the environment for chemical

REGULATION (STANDARDS - 29 CFR) – TABLE OF CONTENTS - STANDARDS (1910.1200 App D) - ELECTRONIC CODE OF FEDERAL REGULATIONS - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPARTMENT OF LABOR

THE PURPLE BOOK - GLOBALLY HARMONIZED OF CLASSIFICATION AND LABELLING OF CHEMICALS - Fifth revised edition

THE ORANGE BOOK – RECOMMENDATION ON THE TRANSPORT OF DANGEROUS GOODS - Model Regulations – Volume I e II – Nineteenth revised edition

16. OTHER INFORMATION

The Socer Brasil Indústria e Comércio Ltda. believes that the information contained herein corresponds to the current state of their knowledge about the handling of this product, at the date of issue of the safety data sheet. The Socer Brasil warns that the handling of any chemical requires prior knowledge of its dangers for users. Any other use of this product, which is not mentioned in this MSDS, refers to the user all responsibility. The Socer Brasil recommends that the user company of the product promotes the proper training of its employees about possible risks from the chemical.

Subtitles and Abbreviations

A4 - short for acronym for the category of ACGIH Rating (beginning in A1 to A5).
ABNT - Brazilian Association of Technical Standards
ACGIH - American Conference of Governmental Industrial Hygienists
BCF - bioconcentration factor (Bioconcentration Factor)
BEI - Biological Exposure Index (Biological Exposure Index)
GLP - Good Laboratory Practices
CAS - Chemical Abstract Service
DOU - Official Gazette



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EL50 - Effective Loading (Effective Concentration)
IBMP - maximum allowable biological indicator
Koc - adsorption coefficient to soil organic carbon
Kow - the octanol-water partition
LC50 - Lethal concentration 50% (Lethal Concentration)
LD50 - Lethal Dose 50% (Lethal Dose)
LL50 - Lethal Loading 50% (Lethal Concentration)
LT - Threshold Limit
NIOSH - National Institute for Occupational Safety and Health
NR - Normal Regulatory
ILO - International Labour Organization
OSHA - Occupational Safety and Health Administration
PEL - Permissible exposure limit
REL - Recommended Exposure Limit
TWA - Time Weighted Average

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NIOSH - National Institute for Occupational Safety and Health. Available in:
<[Http://www.cdc.gov/niosh/](http://www.cdc.gov/niosh/)>. Access in Dec. 2015.
Swell / IPCS - INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY - Available in:
<[Www.inchem.org](http://www.inchem.org)>. Access in Dec. 2015.
TOXNET - TOXICOLOGY DATA NETWORK. Available at: <<http://toxnet.nlm.nih.gov/>>. Accessed on: Dec. 2015.

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