



RESINAS BRASIL
Indústria e Comércio Ltda.

SAFETY DATA SHEET (SDS)

SDS - 013

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May-2015

BREUTEX WW/X

1. IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	BREUTEX – WW/X
SDS Internal Number:	013
Company Name:	RESINAS BRASIL INDÚSTRIA E COMÉRCIO LTDA.
Adress:	Estrada Municipal Manduri- São Berto,Km 10 , s/n° Cx.Postal 40 – CEP:18.780-000- Manduri –SP-S.P.- Brasil
Phone Number:	55 – 14 – 3356-15-11
Fax Number:	55 – 14 – 3356-11-66
Emergency Phone:	55 – 14 – 3356-15-11
e-mail:	resinasbrasil@resinasbrasil.com.br
Recommended Usage:	Depilatory wax, glues, rubbers.

2. HAZARDS IDENTIFICATION

◆ 2.1 Hazards classification of the product ABNT NBR 14725-4

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 5
Acute Inhalation Toxicity	Category 5
Corrosive/Irritating to the skin	Category 2
Severe Damage/Irritating to the eyes	Category 2
Skin sensitization	Sensitizing 1
Respiratory Sensibilization	Category 1
Mutagenicity	Negative
Carcinogenicity	Negative
Toxicity to reproduction	Negative



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♦ 2.2. Labeling elements according to GHS, including the awareness phrases:

Pictograms:



GHS07- Exclamation Marc.

Awareness Words:

Attention.

Hazard Statements:

H317: May cause an allergic skin reaction.

Precautionary Statements - Prevention:

P261: Avoid breathing dust, fumes, gas, mist, vapors, spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection..

Precautionary Statements - Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.

P321: Specific treatment (see ... on this label).

P363: Wash contaminated clothing before reuse.

Precautionary Statements - Storage:

None.

Precautionary Statements – Disposal:

P501- Dispose of contents/container to a licensed landfill in accordance with local, state and federal regulations.

2.3 Classification according to the Directive 67/548/EEC - Annex I e Regulation (EC) N° 1272/2008 – Annex VI

♦ Most Significant Hazards



Non-flammable solid product, nonetheless, huge quantities of the molten product powder or vapors may create, with air contact, inflammable or explosive mixtures.

Xi: IRRITANT

- Adverse effects on human health

R43: May cause sensitization by skin contact.

H317: May cause an allergic skin contact.

* For other regulations, refer to section 15.



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3. COMPOSITION AND INFORMATION ABOUT INGREDIENTS

◆ 3.1 THIS PRODUCT IS A SUBSTANCE.

EC/IUPAC Name	CAS	EINECS	Weight %	Symbol	Risk Statements	Safety Statements
Colophony, Rosin	8050-09-7	232-475-7	100	Xi	R43	S2, S24, S37

REACH REGISTRATION NUMBER:

01-2119480418-32-0025

4. FIRST AID ACTIONS

◆ First aid actions

- Inhalation

In case of inhalation of the melted product powder or vapors, move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if adverse health effects persist or are severe.

If unconscious, place in recovery position and get medical attention immediately.

- Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Molten Product: Cool the affected area as soon as possible using water. Do not try to remove the product plaques attached to the skin. This removal may severely damage the affected area. Apply an appropriate balsam for skin burns.

Large damaged areas require proper medical care.

- Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Get medical attention if irritation occurs.

- Ingestion

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person



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warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

- Most important symptoms, acute or late

Burns
Vomiting and nausea
Irregular breathing
Eye Irritation

- Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING ACTIONS

◆ **5.1 Extinguishing agents**

Water spray or mist, dry powder, CO₂.

◆ **5.2 Specific substance or product combustion hazards**

The thermal decomposition may produce carbon monoxide, carbon dioxide and other unidentified organic compounds. The vapors resulting from thermal decomposition may cause inflammable mixtures in contact with air.
(see section 2)

◆ **5.3 Protective actions for firefighting team**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-piece mask, operated in positive pressure mode.

6. CONTROL ACTIONS FOR SPILLING OR LEAKING

◆ **6.1 Personal precaution, protective equipment and emergency procedures.**

• **6.1.1 Non-emergency services personnel**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.



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- **6.1.2 Emergency services personnel** Minimize airborne dust and eliminate all fire/ignition sources. Clean up spill as soon as possible using procedures described below. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- ◆ **6.2 Environmental precautions** Avoid dispersal of spilled material in contact with the ground, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
The product is insoluble in water.

- ◆ **6.3 Methods and materials for containment and cleaning** **Small Spill:** Move containers from spill area. Do not use air hoses for cleaning. Minimize dry sweeping to avoid generation of dust clouds. Vacuum dust accumulating surfaces and remove to a chemical disposal area. Use spark-proof tools and explosion proof equipment. Vacuums with explosion-proof motors should be used. Dispose of via a licensed waste disposal contractor.

Large Spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid creating dusty conditions and prevent wind dispersal. Do not use air hoses for cleaning. Minimize dry sweeping to avoid generation of dust clouds. Vacuum dust-accumulating surfaces and remove to a chemical disposal area. Use spark-proof tools and explosion-proof equipment. Vacuums with explosion proof motors should be used. Dispose of via a licensed waste disposal contractor.

In case of molten product, let it get solid than clean scraping and sweeping. (See section 13)

7. HANDLING AND STORAGE

- ◆ **7.1 Precautions for safety handling** Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not



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be used in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation.

◆ 7.2 Safety storage conditions (including incompatibility)

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep away from heat, hot surfaces, sparks and flame. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

◆ 8.1 Control Parameters

- Occupational exposure limits
UK. EH40 Workplace
Exposure Limits (WELs):

0,15 mg/m³/STEL/fume.

- Biological exposure limits:

No biological exposure limits noted for rosin.

- Others values and limits

Not available

◆ 8.2 Engineering control actions

Provide local exhaust and general ventilation systems to maintain airborne concentrations below OSHA, ACGIH, and manufacturer recommended exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into work areas by controlling it at its source. Ventilation must be sufficient to effectively remove and prevent buildup of airborne dusts. Use electrically grounded, explosion-proof equipment for ventilation or any handling of this product.

◆ 8.3 Personal Protection

• 8.3.1 Eyes/Face protection:

Solid product: Wear side-shielded safety goggles.



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- **8.3.2 Skin protection:**
Molten/Heated product: Wear face protection.
Eye washer is recommended in case of emergency.

Solid product: Wear impervious gloves and any work clothing (aprons or coveralls) to prevent skin contact.
Molten/heated product: Wear appropriate gloves and clothing to thermal contact.
Safety shower is recommended in case of emergency.
- **8.3.3 Respiratory protection:**
Solid product: Wear dust mask.
Molten product: Wear mask with filter to prevent organic vapors inhalation.
- **8.3.4 Thermal Hazards:**
Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Yellowish solid scale shape to amber when in 25°C.
Odor:	Colophony characteristic.
pH:	Not applicable.
Melting / freezing point:	66,5 – 93,4 °C
Initial boiling point and boiling temperature range:	Not applicable.
Flash point:	Over 205°C.
Evaporation rate:	Not applicable.
Flammability:	Not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapor pressure:	400 Pa at 124.5 °C.
Vapor density:	Not applicable.
Relative density:	1,034 at 20°C.
Solubility	Aromatic solvents, alcohols, acetates, acetone, ethyl ether and dichloromethane.
Partition coefficient n-octanol/water (log value):	Rosin is a UVCB and thus has a range of logKow from 3.0 to 6.2.
Self-ignition temperature:	Not applicable.



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Decomposition temperature:	Not available.
Viscosity:	Not applicable.
Molecular Formula:	C ₁₉ H ₂₉ COOH.

10. STABILITY AND REACTIVITY

- ◆ **10.1 Reactivity** Do not present reactivity in contact with air or water.

- ◆ **10.2 Chemical Stability** Product is stable in normal temperature and storing conditions.

- ◆ **10.3 Dangerous reactions possibilities:** Not available.

- ◆ **10.4 Conditions to avoid** Avoid dispersion of dust in air. Avoid ignition sources where dust is produced.

- ◆ **10.5 Incompatibility** Avoid contact with strong acids, alkalis, oxidizing agents, organic and inorganic peroxides.

- ◆ **10.6 Hazardous thermal decomposition products** Thermal decomposition may generate carbon monoxide, carbon dioxide and other unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

- ◆ **11.1 Acute toxicity**
 - Oral, rat LD₅₀: 2800 mg/kg (male/female).
 - Oral, guinea pig LD₅₀: > 1000 — < 2000 mg/kg (male/female)
 - Oral, rat, (Sprague-Dawley) LD₅₀: > 5000 — < 10000 mg/kg (female)
 - Dermal, rat, (Sprague-Dawley) LD₅₀: > 7500 — < 10000 mg/kg
LD₅₀: > 2000 mg/kg bw (female)
LD₅₀: > 2000 mg/kg bw (male)



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- ◆ **11.2 Skin corrosion or irritation** Irritating.
- ◆ **11.3 Serious eye damage or irritation** Irritating.
- ◆ **11.4 Respiratory or skin sensitization** May cause sensitization with skin contact. May cause skin allergic reactions.
- ◆ **11.5 Mutagenicity in vitro / in vivo** Genetic toxicity: negative.
- ◆ **11. Carcinogenicity** Gum Rosin is not classified for Carcinogenicity according to Directive 67/548/EEC.

- ◆ **11.7 Toxicity for reproduction** Rosin is not classified for "Reproductive Toxicity" according to Directive 67/548/EEC, UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS) or EU Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation (EC) No. 1272/2008.

- ◆ **11.8 Toxicity for specific target organs - single exposure** Not available.
- ◆ **11.9 Toxicity for specific target organs - repeated exposure** Not available.

- ◆ **11.10 Aspiration Hazard** Not available.

12. ECOLOGICAL INFORMATION

- ◆ **12.1 Ecotoxicity**
 - **Fish, Acute Toxicity, *Pimephales promelas*** LL50 (96 h): > 1000 mg/L dissolved (nominal).
 - **Daphnia sp., Acute Immobilization** EL50 (48 h): 911 mg/L dissolved (nominal) based on: mobility.
 - **Alga, Growth Inhibition, *algae*** EL50 (72 h): > 1000 mg/L dissolved (nominal) based on: growth rate.
- ◆ **12.2 Persistence and Degradability** Rosin is not Persistent. The level of biodegradation is approximately 89% after 28 days.



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- ◆ **12.3 Bioaccumulative Potential** Rosin is not Bioaccumulative. QSAR estimation indicate that the BCF of rosin is 56.23 L/kgwwt. This is well below the Bioaccumulation criteria of 2000 L/kg.
- ◆ **12.4 Mobility in soil** Not available.
- ◆ **12.5 Other adverse effects** Not available.

13. CONSIDERATIONS ON WASTE TREATMENT AND DISPOSAL

- ◆ **13.1 Recommended methods for final disposal:**

Dispose in licensed and appropriate landfill in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

- ◆ **14.1 Nacional and international Transportation Regulations**

- **Land transport – ADR/RID** Not classified as Dangerous.
- **Waterway/Marine transport – ADN/IMGD** Not classified as Dangerous.

15. REGULATORY INFORMATION

- ◆ **15.1 Specific regulations of Security, Health and Environment for Chemical Products**

All compounds of this product are in compliance with inventory listing requirements:

Substance Control Act (TSCA - USA) - EINECS- Europe, DSL- Canada, ENCS (MITI)- Japan, AICS- Australia, IECS-China, PICCS- Philippines, ECL- Korea.

- **Biocidal Products (Directive 98/8/EC):** There is no information in the ESIS (European Chemical Substances Information System) about this substance concerning BPD.

- **Export and Import of Dangerous Chemicals:** This substance is not included in the Annex I of the Regulamentations (EC) Number 689/2008.

- **Risk Evaluation (Council Regulation (EEC) No 793/93):** This substance is not included on the evaluation and risk control of the Priority European List of existing substances.

According Directive 67/548/EEC
Classified:

Sensitization.

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Hazard Symbol

Xi - Irritant



Risk Statements

R43: May cause sensitization by skin contact.

Safety Statements

S2: Keep out of the reach of children.
S24: Avoid contact with skin.
S37: Wear suitable gloves.

16. OTHER INFORMATION

Resinas Brasil Indústria e Comércio Ltda believes that such information is accurate and reliable as of the date of this SDS, however no guarantee or warranty, express or implied, is made as to the accuracy, or completeness of the information. Resinas Brasil Indústria e Comércio Ltda. urges people and/or companies receiving this information to make them own determination as to the information's suitability and completeness for their particular application. This safety data sheet is in compliance to **ABNT NBR 14725- 4: 2014** directive.