



6020 - 6023 Rosin

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision 2
Date of issue 04/11/2015
Supersedes 26/03/2009

SECTION 1: Identification of the Substance and of the Company

1.1. Product Identifier

British Wax Product Code 6020 - 6023
Product Trade Name Rosin
Chemical Type Substance
Chemical Description Rosin, Pine Resin, Colophony
CAS Number 8050-09-7
EC Number 232-475-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category Industrial formulation; binder; hot melt adhesive; cosmetics; psa; tackifier; softener. For professional use only.

1.2.2. Uses advised against

All other uses or in section 7.3

1.3. Details of the supplier of the safety data sheet

The Soap Kitchen
Unit 8 Caddsdawn Industrial Park
Clovelly Road, Bideford, Devon,
EX39 3DX, UK
Email: info@thesoapkitchen.co.uk
Tel: +44 (0)1237 420872
Web: www.thesoapkitchen.co.uk

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Sens. 1, dermal, Category 1 May cause an allergic skin reaction
Classification according to Directive 67/548/EEC or 1999/45/EC
Xi Irritant
Adverse physicochemical, human health and environmental effects
No additional information available

2.2 Label elements

Labelling to EC 1272/2008 [CLP] May cause an allergic skin reaction.
Signal word Warning
Precautionary Statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container to a waste facility.

2.3 Other Hazards

Not classified as PBT / vPvB by current EU criteria

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical name	CAS No.	EC No.	%	Classification according to Directive 67/548/EC
Rosin	8050-09-7	232-475-7	100%	Xi; R43

3.2 Mixtures

Chemical name	CAS No.	EC No.	%	Classification according to Directive 67/548/EC

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid measures general	<i>In case of serious or persistent conditions, call a doctor or seek emergency medical care.</i>
First aid measures after inhalation	<i>Remove to fresh air. Obtain medical attention if symptoms persist.</i>
First aid measures after skin contact	<i>Cold material: wash with soap, hand cleaner and water. Hot material: flush skin with cold water to cool as quickly as possible. Cover with clean cotton. Do not attempt to remove substance from a burn as this can result in tissue loss. Obtain prompt medical attention.</i>
First aid measures after eye contact	<i>Cold material: wash eyes thoroughly with liberal amounts of water. Heated material: Rinse with cool water to dissipate heat, do not try to remove substance. Obtain prompt medical attention.</i>
First aid measures after ingestion	<i>Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.</i>

4.2 Most important symptoms and effects, both acute and delayed

Symptoms / Injuries	<i>If inhaled or ingested, there may be some irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.</i>
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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	<i>Dry chemical, CO2, foam.</i>
Unsuitable extinguishing media	<i>Water jet. This will cause the fire to spread.</i>

5.2 Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

5.3 Advice for firefighters

Firefighting instructions	<i>No further relevant information available.</i>
Protection during firefighting	<i>Breathing apparatus and protective gloves.</i>
Other information	<i>No further relevant information available.</i>

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures	<i>Remove persons from danger area.</i>
Protective equipment	<i>Wear protective equipment as described in Section 8 of this SDS.</i>
Emergency procedures	<i>In case of spills, beware of slippery floors. Remove ignition sources. Provide adequate ventilation.</i>

6.2 Environmental precautions

Keep away from drains, surface and ground water. Spillages or uncontrolled discharges into the watercourse must be IMMEDIATELY alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	<i>If molten, allow to solidify, scrape up and dispose of as solid combustible material. Contain liquid with sand, earth or similar absorbent material.</i>
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6.4 Reference to other sections

PPE - Section 8. Waste Disposal - Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling *Avoid spilling, skin and eye contact. Avoid inhalation of vapours.*

7.2 Conditions for safe storage, including any incompatibilities

Technical measures *No special measures required.*

Storage conditions *Store in a cool, dry place. Keep away from combustion source. Protect from exposure to sunlight.*

Incompatible products *No further relevant information.*

Storage temperature *Below 30 °C*

7.3 Specific end use(s)

Specific identified uses for this product are detailed in Section 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

DNEL (Workers):

		Short Exposure		Long Exposure	
Identification		Systemic	Local	Systemic	Local
Rosin	Oral	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
CAS: 8050-09-7	Dermal	<i>n/a</i>	<i>n/a</i>	<i>17 mg / kg</i>	<i>n/a</i>
EC: 232-475-7	Inhalation	<i>n/a</i>	<i>n/a</i>	<i>117 mg / m3</i>	<i>n/a</i>

DNEL (Populations):

		Short Exposure		Long Exposure	
Identification		Systemic	Local	Systemic	Local
Rosin	Oral	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
CAS: 8050-09-7	Dermal	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
EC: 232-475-7	Inhalation	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>

PNEC:

Identification					
Rosin	STP	<i>n/a</i>	Fresh water	<i>n/a</i>	
CAS: 8050-09-7	Soil	<i>n/a</i>	Marine water	<i>n/a</i>	
EC: 232-475-7	Intermittent	<i>n/a</i>	Sediment (Fresh water)	<i>n/a</i>	
	Oral	<i>n/a</i>	Sediment (Marine water)	<i>n/a</i>	

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined exposure limit is not exceeded.

Hand protection

No special precautions other than protection from splashing or contact with molten material.

Eye protection

Safety glasses, chemical goggles (if splashing possible).

Skin and body protection

Heated wax should be handled with caution and suitable protective clothing worn.

Respiratory protection

Adequate ventilation

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	<i>Brittle Solid</i>
Colour	<i>Light Amber to Dark Brown</i>
Melting point / range, °C	<i>n/a</i>
Congealing point / range, °C	<i>n/a</i>
Boiling point / range, °C	<i>188</i>
Flash point, °C	<i>Not established</i>
Autoignition point, °C	<i>1.03 g/cm³</i>
Relative density	<i>Water: Insoluble</i>
Solubility	<i>Ethanol: Insoluble</i>
	<i>Ether: Soluble</i>

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No decomposition if used according to instructions in SDS.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: Carbon Dioxide, Carbon Monoxide and other organic compounds.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	<i>LD 50 oral 4100 mg/kg (rat)</i>
Skin corrosion / irritation	<i>Based on available data, the classification criteria are not met</i>
Serious eye damage / irritation	<i>Based on available data, the classification criteria are not met</i>
Respiratory or skin sensitisation	<i>Based on available data, the classification criteria are not met</i>
Germ cell mutagenicity	<i>Based on available data, the classification criteria are not met</i>
Carcinogenicity	<i>Based on available data, the classification criteria are not met</i>
Reproductive toxicity	<i>Based on available data, the classification criteria are not met</i>
Specific target organ toxicity (single exposure)	<i>Based on available data, the classification criteria are not met</i>
Specific target organ toxicity (repeated exposure)	<i>Based on available data, the classification criteria are not met</i>
Aspiration hazard	<i>Based on available data, the classification criteria are not met</i>

SECTION 12: Ecological information

12.1 Toxicity

LC50 96 hours 150 mg/l
Acute Toxicity - Fish
EC50 48 hours 238 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants
 IC50 72 hours 185 mg/l Algae

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not classified as PBT/vPvB by current EU criteria

12.6 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Ecology – waste materials	Recommendation: Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue.
European waste catalogue	We do not recommended disposal down the drain. See paragraph 6.2. 05 01 06 Oily sludges from maintenance operations of the plant or equipment. 07 01 99 Wastes not otherwise specified. 12 01 12 Spent waxes and fats
Uncleaned packaging	Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

General information

The product is not covered by international regulation on the transport of dangerous goods (ADR/RID, IMDG, IATA)

14.1 UN Number

ADR/RID	No information required	IMDG	No information required	IATA	No information required
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14.2 UN Proper Shipping name

ADR/RID	No information required	IMDG	No information required	IATA	No information required
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14.3 Transport hazard class(es)

ADR/RID	No information required	IMDG	No information required	IATA	No information required
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14.4 Packing group

ADR/RID	No information required	IMDG	No information required	IATA	No information required
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14.5 Environmental hazards

ADR/RID	No information required	IMDG	No information required	IATA	No information required
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14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required

14.8 Additional information**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture****15.1.1 EU regulations**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.1.2 National regulations

*UK Regulatory References. Health and Safety at Work Act 1974.
The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 No. 2677) with amendments.*

15.2 Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Full INCI listing: Colophonium

Legal Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. In view of the fact that the application of this information is outside our control, we disclaim any liability incurred in connection with its application or use. It should not therefore be construed as guaranteeing any specific property of the product.