

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

#### Trade name

#### Gum Rosin

Substance name	colophony
REACH registration no.	01-2119480418-32-0010

#### Identification numbers

CAS no.	8050-09-7
EC no.	232-475-7
Index no.	650-015-00-7

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

#### Relevant identified uses of the substance or mixture

Manufacturing of floor covering  
Manufacture as such (substance itself)  
Industrial manufacture of rosin resin as such (substance itself)  
Industrial formulation as such (substance itself)

#### Uses advised against

No data available.

### 1.3 Details of the supplier of the safety data sheet

#### Address

Schmierstoffe Bayern  
GmbH  
Philipp-Karl-Straße 11  
92637 Weiden  
GERMANY

Telephone no.	+49 (0) 961 / 3917229-0
Fax no.	+49 (0) 961 / 3917229-212

#### Advice on Safety Data Sheet

info@schmierstoffe-bayern.de

### 1.4 Emergency telephone number

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)  
Skin Sens. 1; H317

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Product identifier

8050-09-7 (colophony)

### Hazard pictograms



GHS07

### Signal word

Warning

### Hazard statements

H317 May cause an allergic skin reaction.

### 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 hazardous or special waste collection point.

## 2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Chemical characterization

Substance name colophony

#### Identification numbers

CAS no. 8050-09-7  
EC no. 232-475-7  
Index no. 650-015-00-7

### 3.2 Mixtures

Not applicable. The product is not a mixture.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

#### After skin contact

When in contact with the skin, clean with soap and water. After contact with molten product, cool quickly with cold water. Do not pull solidified product from skin. Seek medical attention.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam; Extinguishing powder; Carbon dioxide; Water spray jet; Sand

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid dust formation. Avoid contact with skin, eyes and clothing.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically. Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Avoid the formation and deposition of dust.

**General protective and hygiene measures**

Do not eat or drink during work - no smoking. After worktime and during work intervals the affected skin areas must be thoroughly cleaned. Work in an adequately ventilated room. Avoid contact with eyes and skin. Do not inhale dust. Remove soiled or soaked clothing immediately.

**Advice on protection against fire and explosion**

Dust can form an explosive mixture with air. Keep away from sources of heat and ignition.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Protect from light.

**Requirements for storage rooms and vessels**

Store product in closed containers.

**Advice on storage assembly**

Do not store together with: Oxidizing agents

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****DNEL and PNEC values****DNEL values (worker)**

Nc	Substance name	Exposure time	Effect	CAS / EC no	
	Route of exposure			Value	
1	colophony			8050-09-7	
	dermal	Long term (chronic)	systemic	25	mg/kg/day
	inhalative	Long term (chronic)	systemic	176.32	mg/m <sup>3</sup>

**DNEL value (consumer)**

Nc	Substance name	Exposure time	Effect	CAS / EC no	
	Route of exposure			Value	
1	colophony			8050-09-7	
	oral	Long term (chronic)	systemic	15	mg/kg/day
	dermal	Long term (chronic)	systemic	15	mg/kg/day
	inhalative	Long term (chronic)	systemic	52.174	mg/m <sup>3</sup>

## PNEC values

Nc	Substance name		CAS / EC no	
	Ecological compartment	Type	Value	
1	colophony		8050-09-7	
	water	fresh water	0.0016	mg/l
	water	marine water	0.00016	mg/l
	water	fresh water sediment	0.007	mg/kg dry weight
	water	marine water sediment	0.0007	mg/kg dry weight
	water	Aqua intermittent	0.016	mg/l
	soil	-	0.00045	mg/kg dry weight
	sewage treatment plant	-	1000	mg/l

## 8.2 Exposure controls

## Appropriate engineering controls

No data available.

## Personal protective equipment

## Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

## Eye / face protection

Safety glasses (EN 166)

## Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

## Other

Normal chemical work clothing.

## Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Form/Colour
solid
product specific
Odour
resinous

Trade name: Gum Rosin

Product no.: 102603

Current version : 4.1.2, issued: 20.06.2016

Replaced version: 4.1.1, issued: 17.09.2014

Region: GB

<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	>	300	°C
<b>Melting point / melting range</b>			
Value	>	62	°C
<b>Decomposition point / decomposition range</b>			
Value	>	300	°C
<b>Flash point</b>			
Value	>	200	°C
<b>Ignition temperature</b>			
Value	>	300	°C
<b>Auto-ignition temperature</b>			
Remarks	Product is not selfigniting.		
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value		1.05	g/cm³
Reference temperature		25	°C
<b>Solubility in water</b>			
Remarks	immiscible		

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**Solubility(ies)**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Viscosity**

No data available

**9.2 Other information**

**Other information**

No data available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Acute oral toxicity			
LD50	>	2000	mg/kg
Species	rat		
Acute dermal toxicity			
LD50	>	2000	mg/kg
Species	rat		
Method	OECD 402		
Acute inhalational toxicity			
Remarks	No data available.		
Skin corrosion/irritation			
Method	OECD 404		
Evaluation	non-irritant		
Serious eye damage/irritation			
Method	OECD 405		
Evaluation	non-irritant		

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Respiratory or skin sensitisation	
Route of exposure	Skin
Method	OECD 429
Evaluation	sensitizing
Germ cell mutagenicity	
Method	Ames-Test
Evaluation	negative
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT-single exposure	
No data available	
STOT-repeated exposure	
No data available	
Aspiration hazard	
No data available	
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact may cause mechanical irritation through dust particles.	
Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Possibility of sensitisation through skin contact. Inhalation of dusts may irritate the respiratory tract.	

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)	
Remarks	no toxicity detectable
Toxicity to fish (chronic)	
No data available	
Toxicity to Daphnia (acute)	
Remarks	no toxicity detectable
Toxicity to Daphnia (chronic)	
No data available	
Toxicity to algae (acute)	
Remarks	No data available.
Toxicity to algae (chronic)	
No data available	
Bacteria toxicity	
Remarks	No data available.



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## 12.2 Persistence and degradability

Biodegradability		
Value	64	%
Duration	28	day(s)
Method	OECD 301 B	
Evaluation	readily biodegradable	

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)	
Remarks	BCF: 56.23 L/kg

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

# SECTION 13: Disposal considerations

## 13.1 Waste treatment methods

### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This substance is not subject to Part I or 2 of Annex I

**15.2 Chemical safety assessment**

For this substance a chemical safety assessment has been carried out.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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