Safety Data Sheet

according to the REACH-Regulation (EG) 1907/2006 amended by Regulation (EU) 2020/878

Rosin (Colophony)

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

Rosin / Colophony

1.1. Product identifier

Product form	Substance (UVCB-Substance)
Trade name	Rosin for bows (bow hair) for string instruments
Chemical name	Colophony
EG Index-No.	650-015-00-7
EG-No.	232-475-7
CAS-No.	8050-09-7

1.2. Intended use of the substance or mixture and advises against the usage

Use of the substance / mixture
For application to the bow hair of bows for string instruments

Advises against the usage
If used as intended, none known
Not for human consumption

1.3. Details of the supplier of the safety data sheet

Company name:	Pirastro GmbH Strings for musical instruments, rosin and accessories
Street:	Senefelderstr. 80
City:	D-63069 Offenbach
Phone:	+49 (0) 69 8400900
Fax:	+49 (0) 69 831663
E-mail:	info@pirastro.com

1.4. Emergency telephone number:

+49 (0) 69 8400900 only during business hours, Mo-Fr. 8:00 am to 2:00 pm
Counselling center for poisoning, Mainz Phone +49 (0) 6131 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EG) Nr. 1272/2008 [CLP]

Skin sensitisation, Category 1 H317

Full text of H- and EUH-statements see section 16

Adverse physicochemical, human health and environmental effects
May cause an allergic skin reaction.

2.2 Label elements
Hazard pictograms and signal word of the product



GHS07

Signal word Warning!

Hazard-determining component(s) for labelling (product identifier)
8050-09-7 Rosin (Colophony)

Hazard statements
H317 May cause an allergic skin reaction

Safety statements
P261 Avoid breathing dust, fume
P280 Wear protective gloves / eye and 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
P501 Dispose of contents/container in accordance with local regulations

2.3 Other hazards
Other hazards which do not result in classification: Risk of thermal burns on contact with molten product
Substance / mixture does not meet the PBT criteria of REACH-Regulation, Annex XIII
Substance / mixture does not meet the vPvB criteria of REACH-Regulation, Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances
Name of the substance Rosin (colophony)

Identifikation-No.
CAS-No. 8050-09-7
EG-No. 232-475-7
EG Index-No. 650-015-00-7
REACH-No. 01-2119480418-32-0010

3.2 Mixtures

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
If symptoms persist, seek medical help
After inhalation:
If you have any complaints, call a physician immediately.
After skin contact:
Wash with plenty of soap and water
After contact with the melted product, cool the skin rapidly with cold water. Do not remove solidified product from the skin. Seek medical help.
After eye contact:
Rinse eyes thoroughly with plenty of water for a few minutes. Call a physician immediately, if you have further symptoms
after ingestion:
Rinse mouth out with water. Seek medical help immediately

4.2 Most important symptoms and effects, acute and delayed
Risk of thermal burns on contact with molten product.
May cause an allergic skin reaction.

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: Water spray. Dry powder. Foam. Carbon dioxide. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Explosion hazard: Dust may form explosive mixture in air.
Hazardous decomposition products in case of fire: Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3 Advice for firefighters

Firefighting instructions: Cool closed containers exposed to fire with water spray.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing device. Complete protective clothing.
Other information: Do not allow run-off from fire fighting to enter drains or water courses.
Disposal according to local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures
Evacuate uninvolved persons, ensure adequate ventilation, avoid contact with eyes and skin

6.1.1 For non-Emergency Personnel

Wear personal protective equipment. Ventilate spillage area. Avoid contact with skin and eyes
Avoid breathing dust, fume

6.1.2 For emergency responders

Wear protective equipment and keep unprotected people away

6.2 Environmental protections

Do not allow to penetrate into wastewater or groundwater

6.3 Methods and materials for containment and cleaning up

Mechanically pick up fragments and dispose of them

6.4 Reference to other sections

See section 7 – Information for safe handling
See section 8 – Concerning personal protective equipment to use
See section 13 – Notes on disposal

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes on safe handling
Ensure good ventilation of the work station. Avoid breathing dust, fume.
Avoid contact with skin and eyes.
Wear personal protective equipment.
Always wash your hands thoroughly after handling the product.
After playing, wipe the instrument and strings with cloth to avoid accumulation of rosin.
If necessary, or if there is a risk of allergic reactions to the skin, cleanse it afterwards with soap and water.

Notes on fire and explosion protection
Keep away from heat and ignition sources.

7.2 Conditions for safe storage, including any incompabilities

Information about storage in one common storage facility
Store rosin in a cool, dry place, protect from heat.
Keep container closed, keep away from food.

7.3 Specific end uses

No further information available. Please pay attention to use the product regarding its intention as rosin for bow hair.

SECTION 8: Exposure controls / personal protection

8.1 Control paraments

DNEL and PNEC-values

colophony (8050-09-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2.131 mg/kg bodyweight/day
Long-term - local effects, inhalation	10 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1.065 mg/kg bodyweight/day
Long-term - systemic effects, dermal	1.065 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	1.6 µg/L
PNEC aqua (marine water)	0.16 µg/L
PNEC aqua (intermittent, freshwater)	16 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	7 µg/kg dw
PNEC sediment (marine water)	0.7 µg/kg dw
PNEC (Soil)	
PNEC soil	0.45 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l

8.2 Exposure limitation and monitoring

8.2.1 Suitable technical control device
Ensure good ventilation of the work station

8.2.2 Personal protection equipment

8.2.2.1 Eye and face protection

Eye protection:
In case of dust use protective goggles

8.2.2.2 Skin protection:
Wear suitable clothing
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. In the event of contact with molten product: heat resistant gloves.

8.2.2.3 Respiratory protection:
In case of insufficient ventilation wear suitable respiratory equipment. Dust production: dust mask with filter type P2 (FFP2)

8.2.2.4 Thermal hazards:
In case of contact with the melted product, use heat-resistant gloves

8.2.3 Environmental exposure controls

Avoid release to the environment

Other information: Do not eat, drink or smoke when using the product. Wash hands before breaks and after work.
Contact with hot material – prevent serious burns

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Solid
Color: Different, depending on the quality

Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	66.5 – 93.4 °C (1atm, Test method EU A.1)
Freezing point	:	Not applicable
Boiling point	:	Not available
Flammability	:	Not flammable
Explosive properties	:	Product is not explosive. Dust may form explosive mixture in air.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	> 335 (101.3 kPa; Read-across)
Decomposition temperature	:	171 °C (Read-across)
pH	:	Not available
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Solubility	:	Water: 0.9 mg/l (20 °C; (OECD 105 method))
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Partition coefficient n-octanol/water (Log Pow)	:	3 – 6.2 (pH 6-7; (OECD 117 method))
Vapour pressure	:	< 1 mbar (20 °C; Read-across)
Vapour pressure at 50°C	:	Not available
Density	:	1034 kg/m³ (20°C, Test method EU A.3)
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available
Particle size distribution	:	Not available
Particle shape	:	Not available
Particle aspect ratio	:	Not available
Particle aggregation state	:	Not available
Particle agglomeration state	:	Not available
Particle specific surface area	:	Not available
Particle dustiness	:	Not available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability
The product is stable under normal conditions

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid
No additional information available

10.5 Incompatible materials
Oxidising substances, strong acids, strong bases

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

colophony (8050-09-7)	
LD50 oral rat	> 2000 mg/kg bodyweight (female; (OECD 423 method); Read-across)
LD50 dermal rat	> 2000 mg/kg bodyweight ((OECD 402 method))

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Additional information : Not irritating to rabbits on cutaneous application
(OECD 404 method)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Additional information : (OECD 405 method)

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Additional information : (OECD 429 method)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : Mutagenicity tests are negative
(OECD 473 method)
(OECD 471 method)
(OECD 476 method)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : (OECD 421 method)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Not relevant)

colophony (8050-09-7)	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)

colophony (8050-09-7)	
LC50 - Fish [1]	1.7 mg/l (96 h; Pimephales promelas; (OECD 203 method))
EC50 - Crustacea [1]	911 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	> 1000 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))

12.2. Persistence and degradability

colophony (8050-09-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	71 % (28 d; (OECD 301D method))

12.3. Bioaccumulative potential

colophony (8050-09-7)	
Partition coefficient n-octanol/water (Log Pow)	3 – 6.2 (pH 6-7; (OECD 117 method))
Bioaccumulative potential	There is no bioaccumulation.

12.4. Mobility in soil

colophony (8050-09-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.13 (Quantitative structure-activity relationship (QSAR))

12.5. Results of PBT and vPvB assessment

colophony (8050-09-7)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : No additional information available

Section 13: Disposal considerations

13.1 Waist treatment methods

Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

HP-Code: HP13 - “Sensitising:” waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

Packaging

Packaging must be completely emptied and disposed of properly in accordance with legal regulations. Packaging that has not been completely emptied must be disposed of in consultation with the regional disposal company.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Other information, restriction and prohibition regulations: Take note of Directive 94/33/EC on the protection of young people at work.

REACH Annex XVII (Restriction List)
Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)
Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)
Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)
Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)
Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations
National regulations: Take note of national directives for the protection of young people at work.

15.2. Chemical safety assessment
A chemical safety assessment has been carried out
Risk Management Measures are based on qualitative risk characterization

SESSION 16: Other Information

Data sources	:	European Chemicals Agency, http://echa.europa.eu/.
Department issuing data specification sheet:	:	KFT Chemieservice GmbH Im Leuschnerpark 3 D-64347 Griesheim Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 SDS Service: +49 6155 8981-522
Contact person	:	Jutta Kilschautzky
Other information	:	Version/s 1.00-3.00, 5.00 is/are not available in this language.

Full text of H- and EUH-statements:	
H317	May cause an allergic skin reaction.
Skin Sens. 1	Skin sensitisation, Category 1

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. It should not therefore be construed as guaranteeing any specific property of the product.