

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Name of the substance	Rosin
Trade name of the substance	SYLVAROS™ R 100 A
Identification Number	650-015-00-7
Registration number	01-2119480418-32
Synonyms	None.
Product code	2000805, 2000806
Date of first issue	26-November-2010
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation [mixing] of preparations and/or re-packaging (excluding alloys) Intermediate
Uses advised against	None known.

Details of the supplier of the safety data sheet

Supplier

Company name	Arizona Chemical GmbH
Address	Ludwig-Hermann-Strasse 80 D-86368 GERSTHOFEN, Germany
Phone	+ 49 821 479 200
e-mail	regulatory.eu@azchem.com
Emergency telephone number	+44 1865 407 333
SDS number	5236E
Reference number	Not available.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	R43
-----------------------	-----

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards		
Skin sensitisation	Category 1	May cause an allergic skin reaction.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	May cause sensitization by skin contact. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Not applicable.
Main symptoms	Sensitisation.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Rosin
Identification Number 650-015-00-7



Signal word Warning
Hazard statements May cause an allergic skin reaction.

Precautionary statements

Prevention Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing.
Response IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage Not available.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information Not available.
Other hazards Not assigned.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Rosin	100	8050-09-7 232-475-7	01-2119480418-32	650-015-00-7	#
Classification:	DSD: R43				
	CLP: Skin Sens. 1;H317				

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#: This substance has workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: FIRST AID MEASURES

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Description of first aid measures

Inhalation Move into fresh air and keep at rest. Get medical attention if any discomfort continues.
Skin contact Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists.
Eye contact Rinse with plenty of water. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
Ingestion Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

Most important symptoms and effects, both acute and delayed May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed Keep person under observation.

SECTION 5: FIREFIGHTING MEASURES

General fire hazards The product is not flammable.

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, water spray or alcohol resistant foam.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture By heating and fire, harmful vapours/gases may be formed.

Advice for firefighters

Special protective equipment for firefighters Wear suitable protective equipment.

Special firefighting procedures In the event of fire, cool tanks with water spray. Water runoff can cause environmental damage.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Do not touch or walk through spilled material.

For emergency responders See Section 8 for personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water. Prevent entry into drains.

Methods and material for containment and cleaning up Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. For waste disposal, see section 13.

Reference to other sections See Section 8 for personal protective equipment. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities Keep container tightly closed. Keep out of the reach of children.

Specific end use(s) Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Material	Type	Value	Form
Rosin (8050-09-7)	STEL	0.15 mg/m ³	Fume.
	TWA	0.05 mg/m ³	Fume.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Safety glasses.

Skin protection

- **Hand protection** Wear protective gloves.

- **Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).

Thermal hazards Wear appropriate personal protective equipment.

Hygiene measures	Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Prills.
Physical state	Solid.
Form	Solid.
Colour	Amber.
Odour	Mild.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	75 - 95 °C (167 - 203 °F)
Boiling point, initial boiling point, and boiling range	> 200 °C (> 392 °F)
Flash point	182 °C (359.6 °F)
Auto-ignition temperature	> 300 °C (> 572 °F)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	< 0.001 mm Hg (20°C)
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	1.05 (25°C)
Solubility	< 0.1 % (20°C)
Partition coefficient (n-octanol/water)	3.6
Decomposition temperature	Not available.
Bulk density	Not applicable.
Pour point	Not applicable.
Viscosity	0.2 Pa·s (150°C)
VOC (Weight %)	Not available.
Percent volatile	Not available.
Other data	
Flammability class	Combustible IIIB
Other information	No relevant additional information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Avoid contact with oxidisers or reducing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, sparks, flames.
Incompatible materials	Strong oxidizing agents.

Hazardous decomposition products Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

General information Not available.

Information on likely routes of exposure

Ingestion May irritate and cause malaise.

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact May cause an allergic skin reaction. May cause sensitization by skin contact.

Eye contact Contact with eyes may cause irritation.

Symptoms Not available.

Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

Product

Test results

Rosin (8050-09-7)

Acute Oral LD50 Rat: > 2800 mg/kg

Acute Oral LD50 Rat: > 2000 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Direct contact may irritate.

Serious eye damage/eye irritation May irritate eyes.

Respiratory sensitisation Not available.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Not available.

Carcinogenicity Not classified.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not available.

Mixture versus substance information Not available.

Other information Not available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No toxicity data noted for the ingredient(s).

Persistence and degradability 64% after 28 days OECD 301B.

Bioaccumulative potential No data available on bioaccumulation.

Mobility The product is insoluble in water.

Environmental fate - Partition coefficient Log Pow = 3.6

Mobility in soil Not established.

Results of PBT and vPvB assessment Not classified.

Not classified.

Not classified.

Other adverse effects Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Residual waste Avoid discharge into drains, water courses or onto the ground. Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

SECTION 15: REGULATORY INFORMATION

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

EU Regulations

Regulation (EC) No. 850/2004 on persistent organic pollutants

Not regulated

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer

Not regulated.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals

Not regulated.

Regulation (EC) No. 1907/2006 Annex XIV Substance subject to authorisation

Not regulated.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use

Not regulated.

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding.

Not regulated.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not regulated.

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Rosin (CAS 8050-09-7)

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Young people under 18 years old are not allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.

National regulations

Not available.

Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R43 May cause sensitization by skin contact. H317 - May cause an allergic skin reaction.
Revision information	Not available.
Training information	Not available.
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.
Issue date	26-November-2010
Revision date	26-November-2010
Print date	26-November-2010