

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

### Product identifier

<b>Name of the substance</b>	Rosin
<b>Trade name of the substance</b>	SYLVAROS™ DR 731 D
<b>Identification Number</b>	650-015-00-7
<b>Registration number</b>	01-2119480418-32
<b>Synonyms</b>	None.
<b>Product code</b>	2000808, 2000809
<b>Date of first issue</b>	26-November-2010
<b>Version number</b>	01
<b>Revision date</b>	-
<b>Supersedes date</b>	-

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

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

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

#### Supplier

<b>Company name</b>	Arizona Chemical GmbH
<b>Address</b>	Ludwig-Hermann-Strasse 80 D-86368 GERSTHOFEN, Germany
<b>Phone</b>	+ 49 821 479 200
<b>e-mail</b>	regulatory.eu@azchem.com
<b>Emergency telephone number</b>	+44 1865 407 333
<b>SDS number</b>	5240E
<b>Reference number</b>	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

<b>Classification</b>	R43
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The full text for all R-phrases is displayed in section 16.

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

<b>Health hazards</b>		
Skin sensitisation	Category 1	May cause an allergic skin reaction.

### Hazard summary

<b>Physical hazards</b>	Not classified for physical hazards.
<b>Health hazards</b>	May cause sensitization by skin contact. Occupational exposure to the substance or mixture may cause adverse health effects.
<b>Environmental hazards</b>	Not classified for hazards to the environment.
<b>Specific hazards</b>	Not applicable.
<b>Main symptoms</b>	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	#
<b>Classification:</b>	<b>DSD:</b> R43				
	<b>CLP:</b> 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, CO<sub>2</sub>, 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 <sup>3</sup>	Fume.
	TWA	0.05 mg/m <sup>3</sup>	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.

<b>Hygiene measures</b>	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.
<b>Environmental exposure controls</b>	Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Prills.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>Colour</b>	Amber.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	85 - 95 °C (185 - 203 °F)
<b>Boiling point, initial boiling point, and boiling range</b>	> 200 °C (> 392 °F)
<b>Flash point</b>	197 °C (386.6 °F)
<b>Auto-ignition temperature</b>	300 °C (572 °F)
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Oxidising properties</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive limit</b>	Not applicable.
<b>Vapour pressure</b>	< 0.001 mm Hg (20°C)
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Relative density</b>	1.06 (25°C)
<b>Solubility</b>	< 0.1 % (20°C)
<b>Partition coefficient (n-octanol/water)</b>	3.6
<b>Decomposition temperature</b>	Not available.
<b>Bulk density</b>	Not applicable.
<b>Pour point</b>	Not applicable.
<b>Viscosity</b>	0.1 Pa·s (150°C)
<b>VOC (Weight %)</b>	Not available.
<b>Percent volatile</b>	Not available.
<b>Other data</b>	
<b>Flammability class</b>	Combustible IIIB
<b>Other information</b>	No relevant additional information available.

## SECTION 10: STABILITY AND REACTIVITY

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

<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	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.

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