

Safety Data Sheet

SHELLAC VARNISH 010-4000



Safety Data Sheet dated 21/8/2007, version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: SHELLAC VARNISH 010-4000
Trade code: I0104000
Product type and use: INSULATING VARNISH
Company:
ELANTAS Deatech Srl - Zona Industriale Campolungo, 35 - 63100 Ascoli Piceno - ITALY
Tel. +39 0736 3081 - Fax +39 0736 402746
Emergency telephone number of the company and/or of an authorised advisory centre:
ELANTAS Deatech Srl - tel. +39 0736 3081 - fax +39 0736 402746

Competent person responsible for the safety data sheet:
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2. HAZARDS IDENTIFICATION

The product easily catches fire if it is exposed to an ignition source.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

50% - 60% ethanol

N.67/548/CEE: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6
F; R11; substance with a Community workplace exposure limit

1% - 3% butanone

N.67/548/CEE: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0
F,Xi; R11-36-66-67

4. FIRST AID MEASURES

Contact with skin:

Wash with plenty of water and soap.

Contact with eyes:

Wash immediately with water for at least 10 minutes.

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

Safety Data Sheet

SHELLAC VARNISH 010-4000

5. FIRE-FIGHTING MEASURES

Recommended extinguishing agents:

In case of fire, use fire-extinguisher by foam (fluoroproteinic or alcohol resistant foam), dust and CO₂.

Extinguishing agents not to be used:

Water jet - risk of propagation of the flame

Risks arising from combustion:

During combustion the preparation may release carbon dioxide, carbon monoxide, nitrogen oxides and black, dense smoke.

Avoid inhaling the fumes.

Product is flammable. Cool down the containers exposed to the fire with water to prevent bursting.

Protective equipment for fire-fighting personnel:

Personal protection typical in case of fire. Wear suitable respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing.

Keep other people out. Avoid contact with skin and eyes. Do not breathe vapours. Keep the proper ventilation. See section 8.

Environmental measures:

Do not allow the product to contaminate surface, water/ground water. Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Takes precautionary measures against static discharges - ground connect all equipment.

Wear antistatic protective clothes.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Always keep the containers tightly closed.

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Instructions as regards storage premises:

Safety Data Sheet

SHELLAC VARNISH 010-4000

Cool and adequately ventilated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Use the product in accordance with good occupational hygiene and safety practices.
Before break and after work carefully wash hands. Take off dirty cloth immediately. Avoid contact with skin and eyes. When handling do not eat, drink or smoke, take a medicine.
Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Not needed for normal use.

Protection for hands:

Not needed for normal use.

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

Components with Occupational Exposure Limit(s), that require monitoring at the workplace (ACGIH):

ethanol

TLV TWA: 1000 ppm, A4 - 1884,25 mg/m³, A4 TLV STEL: A4

butanone

VLE 8h: 600 mg/m³ - 200 ppm VLE short: 900 mg/m³ - 300 ppm TLV TWA: 200 ppm
- 589,78 mg/m³ TLV STEL: 300 ppm - 884,66 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Orange liquid
Odour:	Alcoholic
pH:	N.A.
Melting point:	N.A.
Boiling point:	79 °C
Flash point:	13 °C
Solid/gas flammability:	N.A.
Autoignition temperature:	363 °C
Explosive properties:	LEL 3,3% - UEL 19%
Oxidizing properties:	NO
Vapour pressure:	5,8 KPa@ 20°C
Relative density:	1000 g/l @ 20°C
Solubility in water:	PARZIALMENTE MISCIBILE
Lipid solubility:	N.A.
Partition c. (n-octanol/H ₂ O):	N.A.
Vapour density (air= 1):	>1

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions. Avoid high temperature.

Substances to avoid:

Keep away from oxidizing agents, sources of ignition and heat. The product could catch

Safety Data Sheet

SHELLAC VARNISH 010-4000

fire.

Hazardous decomposition products:

None.

See also Section 5

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents.

It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing agents.

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

ethanol

LD50 (RABBIT) ORAL: 6300 MG/KG

LD50 (RAT) ORAL SINGLE DOSE: 7060 MG/KG

butanone

LD50 (RABBIT) SKIN: 13 G/KG (13000 MG/KG)

12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION

ADR-UN Number:	1263
ADR-Class:	3
ADR-HI number:	33
ADR-Shipping Name:	PAINT or PAINT RELATED MATERIAL
ADR-Packing Group:	II
IATA-UN Number:	1263
IATA-Class:	3
IATA-Shipping Name:	PAINT or PAINT RELATED MATERIAL
IATA-Passenger Aircraft:	305
IATA-Cargo Aircraft:	307
IATA-Label:	Flamm. Liquid
IATA-Packing group:	II

Safety Data Sheet

SHELLAC VARNISH 010-4000

IATA-S.P.:	A72
IATA-ERG:	3L
IMDG-Marine pollutant:	Marine Pollutant
IMDG-UN Number:	1263
IMDG-Class:	3
IMDG-Shipping Name:	PAINT or PAINT RELATED MATERIAL
IMDG-Packing group:	II
IMDG-EmS:	F-E , <u>S-E</u>
IMDG-Storage category:	B

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

F Highly flammable

R Phrases:

R11 Highly flammable.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S43 In case of fire, use fire-extinguisher by foam (fluoroproteinic or alcohol resistant foam), dust and CO₂.

S7/9 Keep container tightly closed and in a well-ventilated place.

Where applicable, refer to the following regulatory provisions :

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances and subsequent amendments

16. OTHER INFORMATION

Text of R phrases referred to under heading 3:

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

ADR 2005 (ECE/TRANS/175, Vol I and II, and any corrigenda or amendment later published).

Safety Data Sheet

SHELLAC VARNISH 010-4000

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.
