

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Doric Universal Adhesive for Silicones
Product Code: 0075

Application: Dental Tray Adhesive

Company: Davis Schottlander & Davis Ltd
Fifth Avenue, Letchworth Garden City,
Herts SG6 2WD UK
Tel: +44 (0)1462 480848 Fax: +44 (0)1462 482802
msds@schottlander.co.uk www.schottlander.com

Date: 07.11.2017 V4.1

2. HAZARD IDENTIFICATION**GHS Classification:**Hazard categories:

Flammable liquid: Flam. Liq 2

Skin corrosion/irritation: Skin Irrit. 2

Reproductive toxicity: Repr. 2

Specific target organ toxicity – single exposure: STOT SE 3

Specific target organ toxicity – repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour

May be fatal if swallowed and enters airways

Causes skin irritation

May cause drowsiness or dizziness

Suspected of damaging fertility

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects

Label elements:

Hazardous components which must be listed on the label

n-hexane

Signal word: Danger

Pictograms: GHS02-GHS07-GHS08-GHS09

**Hazard statements:**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

H304 May be fatal if swallowed and enters airways.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures**Chemical characterisation:**

Chemical characterisation (preparation): Silicon, Petroleum distillate.

Hazardous components

CAS No.	Component	Classification
110 54 3	n-hexane	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H361f *** H304 H373 ** H315 H336 H411

Full text of H- phrases: See section 16.

4. FIRST AID MEASURES

Eyes: Flush with large volumes of water for at least 20 minutes. Seek medical advice
Skin: Wash with soap and water. Change contaminated clothing.
Ingestion: Immediately seek medical advice.
Inhalation: Remove the person to fresh air. Immediately seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing media: Powder, foam, carbon dioxide and sand.
 Do not use a direct water jet.
 May form explosive vapour-air mixture.

6. ACCIDENTAL RELEASE MEASURES

Personal: Ensure adequate ventilation. Remove sources of ignition. Prevent skin and eye contact. See also Section 8.
Environmental cleaning: Do not let product enter drains and water supplies. Pick up with suitable inert material and store in closed container for disposal by a waste contractor.

7. HANDLING AND STORAGE

Handling: Keep container tightly closed in a well ventilated area. Wear suitable gloves. Avoid eye contact. Use explosion proof electrical equipment.
Storage: Store in a cool, dark, well ventilated area. Keep original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Exposure limits (EH40)

CAS No.	Substance	ppm	mg/m ³	Fibres/ml	Category	Origin
110-54-3	n-Hexane	20	72		TWA (8h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on limit values

Exposure limit values: MAK: 50 ppm (n-hexane:: 20 ml/m³; 72 mg/m³)

Reproduction toxicity:

Exposure controls:



Appropriate engineering controls:

Ensure adequate ventilation of the storage area.

Protective and hygiene measures:

When using do not eat or drink.

Eye/face protection:

Tightly sealed safety glasses.

Hand protection:

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Respiratory protection:

The following must be prevented: inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Boiling point °C:	approx 60°C
Flash point °C:	< -20°C
Explosive properties:	0.8 – 8.0 Vol %
Water solubility:	Insoluble
Odour:	Characteristic
Ignition Temperature:	>260°C
pH:	Not applicable
Density:	0.8g/cm ³

10. STABILITY AND REACTIVITY

No decomposition if used according to directions.

Avoid heat and light. Thermal decomposition generates carbon monoxide.

11. TOXICOLOGY INFORMATION

Information on toxicological effects:

Acute toxicity: LD50: Rat. 2000 mg/kg

Irritation & corrosivity: Irritating to eyes, respiratory system and skin.

12. ECOLOGICAL INFORMATION

Toxicity:

Preparation not tested. Harmful to aquatic organisms.

<u>CAS No.</u>	<u>Chemical name</u>	Method	Dose	[h] [d]	Species	Source
110-54-3	n-Hexane	Aquatic toxicity				
		Acute fish toxicity	LC50	2.5mg/l	96 h	Pimephales promelas
						Geiger et al. 1990

Persistence and degradability:

Preparation not tested.

Bioaccumulative potential:

Partition coefficient n-octanol/water

<u>CAS No.</u>	<u>Chemical name</u>	<u>Log Pow</u>
110-54-3	n-Hexane	3.9

Further information:

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.

13. DISPOSAL CONSIDERATIONS

By waste contractor in landfill or incinerator in accordance with local regulations.

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

UN number:	1268
UN proper shipping name:	Petroleum Distillates, N.O.S
Transport hazard class(es):	3
Packing group:	II
Hazard label:	3



Classification code:	F1
Special provisions:	640D
Limited quantity:	1L
Transport category:	2
Hazard No.	33

Tunnel restriction code: D/E
 Other applicable information (land transport)
 E2

Marine transport

UN number:	1268
------------	------

UN proper shipping name: ERDÖLDESTILLATE, N.A.G.
 Transport hazard class(es): 3
 Packing group: II
 Hazard label: 3



Special provisions: -
 Limited quantity: 1L
 EmS: F-E, S-E
 Other applicable information (marine transport)
 E2

Air transport

UN/ID number: 1268
 UN proper shipping name: ERDÖLDESTILLATE, N.A.G.
 Transport hazard class(es): 3
 Packing group: II
 Hazard label: 3



Limited quantity passenger: 1L
 IATA-packing instructions – Passenger: 353
 IATA-max quantity – Passenger: 5L
 IATA-packing instructions – Cargo: 364
 IATA-max quantity – Cargo: 60L
 Other applicable information (air transport)
 E2
 :Y341

Environmental hazards

Dangerous for the environment: Yes



15. REGULATORY INFORMATION

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

National regulatory information:

Water contaminating class (D) 1 – slightly water contaminating

16. FURTHER INFORMATION

Full text of H-Statements referred to under Sections 2 and 3

H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters the airways.
 H315 Causes skin irritation.

SAFETY DATA SHEET

- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.