



Mdtrad Ltd
34 New Mill Road
Honley, Holmfirth
HD9 6QD
England

Material Safety Data Sheet
MSDS No 200904
Issue No 3

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IMPORTANT

Read this MSDS before handling and disposing of this product and pass the information on to employees, customers and users of this product

1. IDENTIFICATION

Product Name Denture Marking Kit
Company Name Mdtrad Ltd
Company Address 34 New Mill Road, Honley, Holmfirth, HD9 6QD
Company Phone No +44 (0) 1484 684400

2. COMPOSITION/INFORMATION ON PREPARATION

Compositions given are typical values, not specifications.

Components Name	% weight	Cas No	EINECS No	
Sealing liquid	Ethyl Acetate	<61%	141-78-6	205-500-4
	Methyl Ethyl Keytone	<31%	78-93-3	201-159-0
	Polyethyl Methacrylate	<21%		
	Concentration	Cas No	EINECS No	
Abrasive pads	Aluminium Oxide	20-70%	1344-28-1	215-691-6
	Phenolic Resin (Hardened)	10-50%	9003-35-4	500-005-2
	Nylon	10-50%		
	Kaolin - calcined	0-25%	92704-41-1	2964738
Pencil black	7" Hexagonal wood cased pencils 20 degrees - Vitrified graphite / clay cores, bonded with PVA aqueous emulsion adhesives between cedar slats and painted with nitro-cellulose pencil (barrel & dipping) lacquers of matching pigmented colours., vat precipitated foils, Incense cedar.			
Pencil silver	7" Hexagonal wood cased pencils 20 degrees - Very pure, non-leafig Copper, Zinc and Aluminium based metallic pigments, organic pigments, inert fillers and cellulose gums, impregnated with waxes of vegetable origin, bonded with PVA aqueous emulsion adhesives between cedar slats and painted with nitro-cellulose pencil (barrel & dipping) lacquers of matching pigmented colours.			

3. HAZARDS IDENTIFICATION

Sealing liquid Highly Flammable. Irritant
R11-36-66-67. Highly Flammable. Irritating to the eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness

Abrasive pads Abrasives are not dangerous substances as defined in EC directive 99/45 - see 8

Pencils Sharp points may cause injury.

4. FIRST AID MEASURES

Sealing liquid

Inhalation Remove to fresh air, rest and keep warm. In severe cases or if symptoms persist seek medical attention.

Skin Contact Immediately wash with soap and water. If irritation persists, seek medical attention.

Eye Contact Flush with copious amounts of water. Seek medical attention.

Ingestion. Rinse mouth with copious amounts of water. Do not induce vomiting, Seek medical attention.

Abrasive pads

Inhalation Not possible due to form of product, however no toxicological effects

Skin Contact No toxicological effects

Eye Contact Flush with copious amounts of water. Seek medical attention.

Ingestion. No toxicological effects

Pencils

Inhalation Seek medical attention.

Skin Contact No toxicological effects

Eye Contact from sharp points seek medical attention.

Ingestion. No toxicological effects

5. FIRE FIGHTING MEASURES

In the event of fire involving this material, use dry powder or carbon dioxide extinguishers. Do not use water; Toxic fumes may occur from abrasive pads. Sealing liquid possible combustion product carbon monoxide. Protective clothing and self-contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES

Sealing liquid, Mix with absorbent material. Sweep up and dispose of in a suitable container. Do not allow entry into drains or watercourses. Pencils and abrasive pads n/a

7. HANDLING & STORAGE

Sealing liquid : No handling problems are likely to be encountered provided normal safe practices of hygiene are applied. Use in a well ventilated place. Store in a cool, dry place.

Abrasive pads : Observe the regional regulations for dust - wear protective goggles and facemask.

Pencils : Avoid violent handling to stop breaking 'leads' and points. Product conforms to Pencil & graphic instruments (safety) regulations 1998.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls : Use sealing liquid in a well ventilated area. Hazardous dust from workpiece material may be generated during sanding operation. Wear protective goggles and facemask.

Keep the limits of the following components under surveillance

Name	CAS	EG Nr	concentration limits / daily average value
Aluminium Oxide	1344-28-1	215-691-6	Total inhalable dust OES TWA 10mg/m ³
			Respirable dust OES TWA 5mg/m ³
Kaolin - calcined	92704-41-1		Total inhalable dust OES TWA 10mg/m ³
			Respirable dust OES TWA 5mg/m ³

9 PHYSICAL AND CHEMICAL PROPERTIES

	Sealing liquid	Abrasive pads	Pencils
Physical State at 25°C :	liquid	solid	solid
Colour :	colourless	maroon	black / silver
Odour :	chacteristic ordour Glue-like		
Freezing Point (°C)			
Initial Boiling Point (*C) :			
Density at 25°C (kg/m*) :			
Vapour Pressure (mm Hgj at 25°C :			
Relative Vapour Density (air=1) :			
Viscosity at 25°C (raPas)			
Solubility in Water (% weight) :			
Flash Point (*C) :	-4°C		
Auto Ignition Temperature (°C) :	425°C		
Flamraability Limits in Air			
- Lower (%vol) :			
Upper (%vol)			

10 STABILITY & REACTIVITY

conditions to avoid	High temperatures, flames and sparks
Materials to avoid	strong oxidizing agents, strong reducing agents, strong acids, combustible materials
Possible hazardous combustion products	Carbon monoxide and toxic fumes

11 TOXICOLOGICAL INFORMATION

Sealing liquid vapour may be narcotic in high concentration. May cause drowsiness and dizziness. Irritating to eyes
No toxicological effects for pencils and abrasive pads

12. ECOLOGICAL INFORMATION

	Sealing liquid	abrasive pads	pencils
Ecotoxicity	no long term effect In the aquatic environment	no effects known	no effects known
Mobility	no potentials known	no potentials known	no potentials known
Persistence and degradability	no biodegradable Potential known	no biodegradable Potential known	biodegradable Potential
Bio accumulative potential	no potentials known	no potentials known	no potentials known
Other hazardous effects	no effects known	no effects known	no effects known

13. DISPOSAL CONSIDERATIONS

Sealing liquid, abrasive pads and pencils.	Follow national and regional regulations. Dispose of waste at approved landfill site or incinerate at approved facility.
Packing	Dispose of waste at approved landfill



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site or incinerate at approved facility.

14. TRANSPORT INFORMATION

Sealing liquid UN1993 Flammable liquid NOS Class 3 Packing Group II

(NOS = not otherwise specified)

15. REGULATORY INFORMATION

Supply Label Details	:	Ref. Chip 3.
Label Name	:	Denture Marking Varnish.
Symbols	:	Highly Flammable Irritant
Risk Phrases	:	11-36-66-67. Highly Flammable, Irritating to the eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
Safety Phrases	:	9-16-26. Keep container in a well-ventilated place. Keep away from sources of ignition - no smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The information in this MSDS does not constitute an assessment of workplace risks.

16. OTHER INFORMATION

Handling of product exclusively by dental specialists according to indications for use.

Some of the information presented and conclusions drawn herein are from sources other than direct test data or the product itself.

The contents and format of this MSDS are in accordance with *EEC* Commission Directive 91/155/EEC

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Emergency Phone No: 01484-660055

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