

UnoDent Material Safety Data Sheet

1. Chemical product and company identification

product name: UnoDent Anti-Mist Mirror Spray (DMS000)
identified uses: Applied to dental mouth mirrors to prevent misting,
manufacturer/supplier: UnoDent Ltd. Tel: 01376 500582
address: 10 Perry Way, Witham, Essex Fax: 01376 500581
CM8 3SX, UK
information sector: Technical Department Tel: 01376 500582
emergency information: Technical Department

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification (EC 1272/2008)

Flammable liquids, Category3

Eye Irritation, Category 2, Eyes

Specific target organ toxicity (STOT), single exposure, category3, central nervous system

2.2 Label Element

Pictograms -



Signal Word Warning
Hazard statements H226 - Flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention.

3. Composition/Information on ingredients

Compositions given are typical values, not specifications :

<u>Component Name</u>	<u>% Weight</u>	<u>Classification</u>	<u>Exposure</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Isopropanol	40-50	Flam Liq.2:H225 Eye Irr. 2: H319 STOT SE3: H336	400ppm	67-63-0	200-661-7

4. First Aid-Measures

Eyes: **Symptom** – Irritation
Treatment – Irrigate thoroughly with water for at least 10minutes. Obtain medical attention.

Skin: **Symptom** – Mild irritation.
Treatment – Drench the skin with plenty of water . Remove contaminated clothing and wash before reuse. If large areas of

Inhalation	the skin is damaged or if irritation persists seek medical attention. Symptom – Coughing, drowsiness, dizziness, nausea, headaches and vomiting. Treatment – Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Ingestion:	Symptom – General narcotic effects, dizziness, nausea, headaches and vomiting. Treatment – Wash out mouth with water. Do not induce vomiting. If patient is conscious give water to drink. If patient feels unwell seek medical attention.
5. <u>Fire Fighting Measures</u>	
Suitable Extinguishers:	Carbon Dioxide, dry chemical, sand or Alcohol resistant foam.
Unsuitable Extinguishers:	Water jets.
Hazardous Combustion Products:	Oxides of carbon.
Special Equipment for Fire Fighting:	Self contained breathing apparatus.
6. <u>Accident release measures</u>	
Safety Precautions:	Wear appropriate PPE – See section 8. Remove all sources of ignition.
Environmental Precautions:	Do not allow material to enter drains or watercourses.
Clean up procedure:	Bund or absorb the material with sand or earth. If possible transfer liquid to a salvage tank, otherwise absorb material and transfer to suitable containers or waste disposal.
7. <u>Handling and storage</u>	
<u>Handling</u>	
Ventilation:	Good general ventilation, LEV may be required.
Recommended procedures & equipment:	Avoid sources of ignition. Do not breathe vapours.
<u>Storage</u>	
Temperature range:	Cool
Humidity range:	Dry
Keep away from:	See Section 10
Suitable storage material:	Original closed containers.
Precautions against static discharge:	Use non-sparking tools and earth straps
8. <u>Exposure controls/personal protection</u>	
Exposure Limits:	400ppm (980 mg/m ³), 8hr TWA 500ppm (1225 mg/m ³), STEL as Propan-2-ol
Monitoring Method:	Type OES
<u>Protective Measures</u>	
Respiratory:	Type approved RPE for organic vapours if required.
Hand:	Nitrile or butyl rubber gloves.
Eye:	Safety Goggles
Skin:	Overall and boots
Hygiene Measures:	Always wash thoroughly after handling chemicals.
9. <u>Physical and chemical properties</u>	
Appearance:	Colourless/Yellow liquid
Odour:	Alcoholic
Boiling Point/range:	79-82°C
Melting Point/range:	ca.-88°C
Flash Point:	25°C by open cup method
Autoignition temperature:	>400°C
Explosive limits:	2.5 – 12.7%
Vapour Pressure:	4.16 kPa @ 20°C
Relative density:	0.785 – 0.825 @ 20°C
Solubility in water:	Miscible
Solubility in solvent:	Miscible with alcohol and ether

- Viscosity:** 3.057 cSt @ 20°C
10. **Stability and reactivity**
Conditions to Avoid: Heat sparks, flames and other sources of ignition, moisture.
Materials to Avoid: Strong oxidising agents.
11. **Toxicological information**
Effects: Causes eye irritation by OECD method 405. Prolonged or repeated skin contact may cause defatting resulting in dermatitis and secondary infections. Inhalation and ingestion may produce general narcotic effects similar to drunkenness – central nervous system depression, drowsiness, dizziness, disorientation, behavioural changes and hypotension.
- LD_{Lo}
LO₅₀ 5840 mg/Kg oral-rat >12800 mg/Kg skin-rabbit
12. **Ecological information**
Environmental Effects:
Mobility: Soluble in water, product is volatile and will partition to the air phase.
Degradability: BOD₂₀>78% ThOD
Bioaccumulative potential: Not expected to bioaccumulate, predicted BCF = 1.
Aquatic Toxicity: LC₅₀, Fathead minnow = 9600 mg/l, LC₅₀, 24h, Daphnia > 10000 mg/l. Water endangering classification = WGK 1.
13. **Disposal considerations**
Substance: Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Container: As substance. Used containers must not be cut up or punched until completely purged of product residues.
14. **Transport information**
ROAD:
UN No. 1219 Class/Item: 3
Primary Hazard: Flammable liquid
Packing Group: II Emergency Action Code: 2[Y]E
H.I Number 33
15. **Regulatory information**
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
EU legislation
Labelling according to Regulation (EC) No. 1272/2008 GHS label elements.
15.2 Chemical Safety Assessment
A chemical safety assessment has not been carried out.
16. **Other Information**

Hazard statements in full, referred to in Section 3 –

Hazard statements H225 - Highly flammable liquid and vapour.

Legal Disclaimer:

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.