

SAFETY DATA SHEET


INTER-ORAL CAD Scanning Spray

Date: March 5, 2009

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Former date: New

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& Philip Pitts

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER, IMPORTER OR OTHER UNDERTAKING				
1.1 Identification of the substance or preparation				
Trade name:		Inter-Oral CAD Scanning Spray		
Code of the preparation:		030509		
1.2 Use of the chemical				
1.2.1	The intended use of this aerosol is in dental maintenance.			
1.2.2	Standard industrial classification: 3291			
1.2.3	Use category: Oral aerosol			
1.2.4	The chemical is for professional use only.			
1.2.5	The chemical is not used by the general public.			
1.3 Identification of the manufacture, importer or other undertaking				
1.3.1	Manufacturer, importer, or other undertaking			
	Enamelite® LLC 1753B Alpine Drive Clarksville, TN, USA 37040 931-647-7171 telephone number 931-647-1198 fax number			
1.3.2	Distributor			
	Enamelite® LLC 1753B Alpine Drive Clarksville, TN, USA 37040 931-647-7171 telephone number 931-647-1198 fax number			
1.3.2	Information on foreign manufacturer			
	Aerosol and Liquid Packaging, Inc. 715 S. Haven Street Baltimore, MD, 21224-4348 410-342-6100 telephone number 410-675-1636 fax number			
1.4 Emergency telephone				
1.4.1	FOR CHEMICAL EMERGENCY OR INGESTION 24/7 CALL INFOTRAC (USA) 1-800-535-5053 OR INTERNATIONAL CALL COLLECT 1-352-323-3500			
2. COMPOSITION AND INFORMATION ON INGREDIENTS				
2.1 Hazardous Ingredients				
2.1.1	2.1.2	2.1.3	2.1.4	
CAS #	EINECS No	Name	%*	Warning/ Risk phrases
13463-67-7	236-675-5	Titanium dioxide	Prop.	R20/21, R36/37/38
64-17-5	200-578-6	Ethanol	Prop.	R11, R38
89-78-1	201-939-0	Methanol	Prop.	R11, R25
431-89-0	207-079-2	Solkane® 227**	Prop.	R20/21/22
	* Percentages of ingredients are proprietary.			
	** Simple asphyxiant			
2.1.5	Confidential ingredients: None.			
2.1.6	Substances not dangerous listed as confidential: None			
2.1.7	Other information: None			
3. HAZARDOUS IDENTIFICATION				
	Human			
	 Xi			

Keep out of reach of children. Vapour is harmful, use with adequate ventilation. Product maybe toxic upon ingestions, rinse mouth out with one to two glasses of water. Avoid contact with strong oxidizing agents, bases, amines and aldehydes. If product is inhaled it may cause

irritation to the mucous membranes, produce a headache and drowsiness and irritate the eyes. Prolonged exposure may cause dryness and cracking of the skin.

Safety

Aerosol is classified as non-flammable, colourless with a mild ethereal odour. Under fire conditions, a toxic gas is formed: hydrogen fluoride. Avoid the use of product around open flames and be aware of static discharge.

Ecological

Environmentally sound, no ozone depleting chemicals.

4. FIRST AID MEASURES

- 4.1 Special instructions for ingestion wash out mouth with one to two glasses of water; do not induce vomiting; seek medical attention.
- 4.2 In the case of exposure to the eyes, wash with water for 15 minutes, if irritation persists, seek medical attention.
- 4.3 Inhalation exposure, remove to fresh air, may cause headaches, drowsiness. If trouble with breathing persists, seek medical attention.
- 4.4 Skin contact wash skin with soap and water, if irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media for the surrounding fire. Please use dry powder, foam and a water spray.
- 5.2 Avoid excess use of water as extinguishing media to avoid environmental run-off.
- 5.3 Special exposure hazards in fire will be oxides of carbon, nitrogen and titanium.
- 5.4 Self-contained breathing apparatus (SCBA) with full protective bunker gear for fire-fighters.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions needed are wearing proper PPE and the product may make floor surface slippery.
- 6.2 Please keep product out of drains and waterways to protect the environment.
- 6.3 Contain the spill, collect spill in an absorbent material such as "kitty litter" or other inert material, place in plastic pail or drum for disposal and notify regulatory authorities.

7 HANDLING AND STORAGE

- 7.1 Store product in cool, dry place. Do not store close to strong oxidising agents which could aggravate a fire situation.
- 7.2 Store in original containers.
- 7.3 Avoid excessive heat
- 7.4 Keep away from children, food, feed and domestic animals.
- 7.5 After application, make sure to remove the PPE and wash your hands before eating or drinking liquids.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

- | | | |
|--------|--|---------------------------|
| 8.1.1 | No HTP values established | |
| 8.1.2 | EH40/99Solkane® 227 | 6.95 mg/m ³ |
| | Titanium dioxide OES (TWA UK) | 10.00 mg/m ³ |
| | Ethanol OES (TWA UK) | 1900.00 mg/m ³ |
| | Methanol OES (TWA UK) | 260.00 mg/m ³ |
| 8.1.3 | Other countries | |
| | SOLKANE® TWA (USA) (MAK) | 6.95 mg/m ³ |
| | Titanium dioxide TWA (ASTL, MAK, USA) | 10.00 mg/m ³ |
| | Ethanol TWA/TLV (USA) (MAK) | 1900.00 mg/m ³ |
| | Methanol TWA (USA) (MAK) (ASTL) | 260.00 mg/m ³ |
| 8.1.4 | Exposure controls: Avoid long term inhalation of dust/mist as it may be an irritant. | |
| 8.1.5 | Avoid contact with eyes, skins or clothes. The working environment should be designed to minimize worker exposure. | |
| 8.1.6 | Provide adequate ventilation. Respiratory protection recommended. Particulate and dust/mist face mask may be adequate. | |
| 8.1.7 | Impervious gloves recommended. | |
| 8.1.8 | Chemical safety glasses recommended. | |
| 8.1.9 | Protective clothing and rubber soiled shoes are recommended. | |
| 8.1.10 | Environmental exposure controls | |

9	PHYSICAL AND CHEMICAL PROPERTIES	
9.1	General information (physical state, colour and odour) this product is a compressed gas powder with little colour and ethereal odour.	
9.2	Important health, safety and environmental information	
9.2.1	pH:	Not applicable
9.2.2	Boiling Point:	-16.5 °C (2.3 °F)
9.2.3	Flash point:	Does not flash
9.2.4	Freezing point:	131 °C (-204 °F)
9.2.5	Viscosity:	0.27 ,Pas at 20 °C (68 °F)
9.2.6	Explosive properties:	If mixed with strong oxidiser, alkali metals and alkaline earth metal a possible fire and explosive hazard.
9.2.7	Oxidising properties:	3.9 at 20 °C (68 °F)
9.2.8	Specific gravity:	1.41
9.2.9	Water solubility:	Slightly in water 0.3 -0.6 mg/L at 20 °C (68 °F)
9.3	Other information	None
10	STABILITY AND REACTIVITY	
10.1	Avoid contact with strong oxidising agents, alkali metals and alkaline earth metals.	
10.2	Vapours heavier than air.	
10.3	Hazardous decomposition products in fire situation are oxides of carbon, nitrogen and titanium.	
10.4	Polymerisation does not occur.	
11	TOXICOLOGICAL INFORMATION	
11.1	Oral LD ₅₀ not established	
11.2	Dermal LD ₅₀ not established	
11.3	Inhalation LC ₅₀ = 765 mg/L	
11.4	No irritation to the eye. Mild irritation to the skin, mouth and upper respiratory tract.	
11.5	Sub-acute, sub-chronic and prolonged toxicity have not been determined	
11.6	Not classified as "Harmful if swallowed".	
11.7	Titanium dioxide is a carcinogen in animal studies.	
11.8	Other information on health effects: Inhalation of the dust/mist may cause irritation of the nose and upper respiratory tract.	
12	ECOLOGICAL INFORMATION	
12.1	This product is environmentally sound.	
12.1.1	Avoid large quantities in the streams and waterways.	
12.1.2	The impact on other organisms has not been determined.	
12.2	This product environmentally sound. Do not throw aerosol container into open fire.	
12.3	This product is not a persistent accumulator in the environment.	
12.3.1	This product is environmentally sound. Same as 12.2	
12.4	This product has very low bioaccumulation potential.	
12.5	Other adverse effects: None know at this time.	
13	DISPOSAL CONSIDERATIONS	
	Dispose in accord with National Regulations. Please seek advice from the local authorities. Do no mix with other waste materials.	
14	TRANSPORTATION INFORMATION	
14.1	UN number:	UN1950
14.2	Packing group:	None
14.3	Land transport	
14.3.1	Transport class:	Class 2.2
14.3.2	Risk code:	Aerosols, nonflammable
14.3.3	Name according to bill of freight:	Inter-Oral CAD Scanning Spray
14.3.4	Other information:	Heptafluoropropane (propellant)

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14.3.5	Shipping description:	Aerosols, nonflammable (heptafluoropropane), 2.2, UN1950
14.3.6	Limited quantity exception:	Under 49 CFR Part 173.306
14.4	Sea transport	
14.4.1	IMDG class:	Class 2
14.4.2	Correct technical name:	Heptafluoropropane
14.4.3	Shipping description:	UN1950, Aerosols, nonflammable (heptafluoropropane), 2.2
14.4.4	Limited quantity exception:	See SP 227, and use packing instructions P003 –LP92
14.4.5	Other information:	Aerosol, nonflammable
14.5	Air transport	
14.5.1	ICAO/IATA class:	Class 2.2
14.5.2	Correct technical name:	Heptafluoropropane
14.5.3	Shipping description:	UN1950, Aerosols, nonflammable (heptafluoropropane), 2.2
14.5.4	Other information:	Cargo aircraft only packing instruction 212
15	REGULATORY INFORMATION	
15.1	Information on the warning label:	Keep out of reach of children. Wear proper PPE during application. Thoroughly ventilate treatment area prior to re-entry and/or regarding occupancy.
15.1.1	Letter code on warning symbol and indications of danger for the product.	
15.1.2	Names of the ingredients given on the label:	Titanium oxide, SDA 38B 190, SOLKANE® 227.
15.2	R phrases:	R20/21/22
15.3	S phrases:	S2/3/9, S20, and S36/37/38
15.4	Section 302-304 (30 CFR Part 350) :	None
15.5	Extremely hazardous substance (EHS):	None
15.6	RCRA hazardous waste:	None
15.7	Prop 65:	None
15.8	SARA Hazard Notification Reporting	
	Immediate <u>Y</u> Fire <u>N</u> Sudden Release of Pressure <u>Y</u>	
	Delayed <u>N</u> Reactive <u>N</u>	
15.8.1	Special regulations on certain preparations:	HMIS & NFPA
	HMIS	NFPA
	1 Health	1
	0 Fire	0
	1 Reactivity/Instability	1
	F PPE	
16.	OTHER INFORMATION	
16.1	List of relevant R phrases:	R20/21/22
16.2	Training advice:	S2/3/9, S20, and S36/37/38
16.3	Restrictions on use:	Professional use only!
16.4	Further information:	Call INFOTRAC COLLECT 1-352-323-3500. EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR 1910.1200.
16.5	WHMIS classifies this material. A, Xi	
16.6	This product contains titanium dioxide that is suspected a carcinogen in animal studies.	
16.7	The EU classifies this material Xi	
16.8	None of the ingredients are listed in the states of IL, FL, PA, MA, MN, MI, and RI as a hazardous substance.	
16.9	Titanium dioxide, ethanol, and methanol are listed as hazardous materials in ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, aiwan, and UK	
16.10	This is a new Safety Data Sheet for International use.	

16.11	Abbreviations:
AICS	Australian Inventory of Chemical Substances
CAS #	Chemical Abstract Service Number
°C	Celsius temperature scale
°F	Fahrenheit temperature scale
ECL	Korean Existing Chemicals List
EEC	European Economic Commission
ENCS	Japanese Existing and New Chemical List
EINECS #	European Inventory of Existing Chemical Substances Number
EU	European Union
(Israel)	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and Industry
NA	Not applicable
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PPE	Personal Protective Equipment
Prop.	Proprietary
SWISS	Giftliste 1
SWISS	Inventory of Notified New Substances
TSCA	Toxic Substance Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
UK	United Kingdom

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