

Safety Data Sheet

Section 1: Identification of the material and the Supplier

Product identifier	IPS Contrast Spray Labside
Product use	Auxiliary for manufacture of dental prosthesis
Distributor information	
Company identification	Ivoclar Vivadent (NZ) Ltd
Address	12 Omega Street, Rosedale, Auckland, New Zealand
Telephone Number	0508 486 252
Emergencies within New Zealand	0800 764 766 (National Poison Control Centre)

Section 2: Hazards Identification

Product is classified as hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

NZ Group Standard & EPA Approval Code Aerosols (Flammable)
HSR002515



Flammable

Hazard Classification	Hazard Code	Hazard Statement
2.1.2A	H222	Extremely flammable aerosol
Prevention Code	Prevention Statement	
P103	Read label before use.	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P211	Do not spray on an open flame or other ignition source.	
P251	Pressurized container: Do not pierce or burn, even after use.	
Response Code	Response Statement	
-	No response statements.	
Storage Code	Storage Statement	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.	
Disposal Code	Disposal Statement	
-	No disposal statements.	

Section 3: Composition/Information on Ingredients

Chemical characterisation Mixtures.
Description Mixture of substances listed below with non-hazardous additions.

Dangerous components			
CAS: 75-28-5 EINECS: 200-857-2	isobutane	Flam. Gas 1, H220; Press. Gas C, H280	50-100%
CAS: 64-17-5 EINECS: 200-578-6	ethanol	Flam. Liq. 2, H225	< 10%

Additional information For the wording of the listed risk phrases refer to section 16.

Section 4: First Aid Measures

Description of first aid measures:

After inhalation	Supply fresh air. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	Rinse with water. Generally the product does not irritate the skin.
After eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing	Rinse out mouth and then drink plenty of water.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

Section 5: Fire Fighting Measures

Extinguishing media:	
Suitable extinguishing agents	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents	Water with full jet.
Special hazards arising from the substance or mixture	No further relevant information available.
Advice for firefighters:	
Protective equipment	Do not inhale explosion gases or combustion gases.
Additional information	Cool endangered receptacles with water spray.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Do not allow to enter sewers/surface or ground water.
Methods and material for containment and cleaning up	Ensure adequate ventilation. Dispose of the material collected according to regulations.
Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7: Handling and Storage

Precautions for safe handling	Only adequately trained personnel should handle this product. For use in dentistry only. Keep away from heat and direct sunlight. Open and handle receptacle with care. Use only in well ventilated areas.
Information about fire - and explosion protection	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Conditions for safe storage, including any incompatibilities:	
Storage:	
Requirements to be met by storerooms and receptacles	Store in a cool location. Store only in the original receptacle. Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility	Not required.
Further information about storage conditions	Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
Specific end use(s)	No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Additional information about design of technical facilities	No further data; see item 7.
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Control parameters:	
Ingredients with limit values that require monitoring at the workplace	64-17-5 ethanol WEL Long-term value: 1920 mg/m ³ , 1000 ppm
Additional information	The lists valid during the making were used as basis.
Exposure controls:	
Personal protective equipment:	
General protective and hygienic measures	Usual hygienic measures for dental practice. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Do not inhale gases/fumes/aerosols.
Respiratory protection	Not necessary if room is well-ventilated. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands	The glove material has to be impermeable and resistant to the product/the substance/the preparation. After use of gloves apply skin-cleaning agents and skin cosmetics.
Material of gloves	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
As protection from splashes gloves made of the following materials are suitable	Nitrile rubber, NBR Butyl rubber, BR Natural rubber, NR
Eye protection	Safety glasses.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:	
General Information:	
Appearance:	
Form	Aerosol
Colour	Whitish
Odour	Characteristic
Odour threshold	Not determined
pH-value	Not applicable
Change in condition:	
Melting point/Melting range	Undetermined
Boiling point/Boiling range	-11°C
Flash point	Not applicable, as aerosol
Flammability (solid, gaseous)	Not applicable
Ignition temperature	460°C
Self-igniting	Product is not selfigniting
Danger of explosion	Not determined
Explosion limits:	
Lower	Not determined
Upper	Not determined
Vapour pressure at 20°C	3000 hPa
Density at 20°C	0.64 g/cm ³

Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility in/Miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic	Not determined
Kinematic	Not determined
Other information	No further relevant information available

Section 10: Stability and Reactivity

Reactivity	No further relevant information available.
Chemical stability	Stable under normal handling and storage conditions.
Thermal decomposition/ conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	Danger of explosion.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	None under normal conditions of storage and use.

Section 11: Toxicological Information

Information on toxicological effects:	
Acute toxicity:	
Primary irritant effect:	
On the skin	No irritant effect.
On the eye	No irritating effect.
Sensitisation	No sensitising effects known.
Additional toxicological information	No further relevant information available.

Section 12: Ecological Information

Toxicity:	
Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information:	
General notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment:	
PBT	Not applicable.
vPvB	Not applicable.
Other adverse effects	No further relevant information available.

Section 13: Disposal Considerations

Waste treatment methods:

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system. Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

European waste catalogue

16 05 04*	gases in pressure containers (including halons) containing dangerous substances
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Uncleaned packaging:

Recommendation Disposal must be made according to official regulations.

Section 14: Transport Information

UN Number 1950

DG Proper shipping name Aerosols

DG Class and subsidiary risk Class 2, Aerosols, flammable

Packing group -

Hazchem code -

Dangerous goods segregation This product is classified as Dangerous Goods Class 2.
Please consult NZS 5433 Safe Transport of Dangerous Goods for more information.

**Flammable****Section 15: Regulatory Information**

NZ Group Standard & EPA Approval Code Aerosols (Flammable)
HSR002515

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	3,000 L awc
Location Certificate	3,000 L awc
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	3,000 L awc
Emergency Response Plan Trigger Quantities	3,000 L awc

Section 16: Other Information

Relevant phrases H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.

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