

YOUNG™

DENTAL MANUFACTURING

S A F E T Y D A T A S H E E T

SECTION I: Identification

Product Identifier:

Product Name: D-Lish® 5% Sodium Fluoride Varnish
Part/Item Number: 211420, 211450, 212420, 212450, 213420, 213450, 214420, 214450, 218450

Recommended Use of the Substance or Mixture and Restrictions on Use:

Recommended Use: Dental varnish
Restrictions on Use: For professional use only

Details of the Supplier:

Manufactured for: Young Dental Manufacturing
13705 Shoreline Court East
Earth City, MO 63045
1.800.325.1881

Emergency Phone Number:

Infotrac:
24-Hour Number- (U.S.) 1-800-535-5053
Outside U.S.- 1-352-323-3500

SECTION II: Hazard(s) Identification

Health effects are based on the unmixed/uncured material.

Classification of the Substance or Mixture:

Health Hazard	Physical Hazard
Acute Toxicity Category 4	Flammable Liquid Category 3

Label Elements:

Hazard Symbol:



Signal Word: Warning

Hazard Statement(s):

Flammable liquid and vapour.
Harmful if swallowed

Precautionary Statement(s):

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Wear protective gloves/eye protection.
Wear protective clothing.
Avoid breathing vapours.

IF SWALLOWED: Call a doctor if you feel unwell.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Material should only be used with extreme caution in individuals who may have control over their swallowing reflex (e.g. pre-school children and the disabled). Use only for intended scope of application.

SECTION III: Composition/Information on Ingredients

Mixture:

Component	CAS #	WT%
Ethanol	64-17-5	10-25%
Sodium Fluoride	7681-49-4	2.5-5%

SECTION IV: First-Aid Measures

Description of First Aid Measures:

Inhalation – Supply fresh air; consult doctor in case of complaints.

Skin contact – Generally the product does not irritate the skin.

Eye contact – Rinse opened eye for several minutes under running water.

Ingestion – Swallowing of larger amounts can lead to nausea, vomiting and/or diarrhea. Immediately call a doctor.

Most Important Symptoms and Effects, Acute and Delayed: No further relevant information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed: No further relevant information available.

SECTION V: Firefighting Measures

Extinguishing media: Suitable extinguishing agents include CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Advice for Fire-Fighters: No further relevant information available.

SECTION VI: 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 Materials for Containment and Cleaning Up: Pick up mechanically.

SECTION VII: Handling and Storage

Precautions for Safe Handling: For dental use only.

Conditions for Safe Storage, Including Any Incompatibilities: Keep ignition sources away – Do not smoke. Do not store together with acids. See storage instructions on package. Keep receptacle tightly sealed.

SECTION VIII: Exposure Controls/Personal Protection

Control Parameters:

Occupational Exposure Limits:			
Component	PEL	REL	TLV
Ethanol	Long-term value: 1900 mg/m ³ , 1000 ppm	Long-term value: 1900 mg/m ³ , 1000 ppm	Short-term value: 1880 mg/m ³ , 1000 ppm

Exposure Controls:

Appropriate Engineering Controls – Not applicable

Individual Protection Measures (PPE) – The usual precautionary measures for handling chemicals should be followed.

SECTION IX: Physical and Chemical Properties

Information on Physical and Chemical Properties:	
Appearance:	Colorless fluid
Odor:	Characteristic of flavor
Odor Threshold:	Not available
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	36 °C (97 °F)
Evaporation rate (Butyl Acetate =1):	Not available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or exposure limits:	Not available
Vapor pressure:	Not available
Vapor density (Air = 1):	Not available
Density at 20 °C (68 °F):	1.02 g/cm ³ (8.512 lbs/gal)
Solubilit(ies):	Not miscible or difficult to mix
Partition coefficient: n-octano/water	Not available
Auto-ignition temperature:	Product is not self-igniting
Decomposition temperature:	Not available
Viscosity:	Not determined

SECTION X: Stability and Reactivity

Reactivity: None known

Chemical Stability: Not available

Possibility of hazardous reactions: Contact with acids releases toxic gases.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION XI: Toxicological Information

Potential Health Effects:

Eye Contact – No irritating effect

Skin Contact – No irritant effect or sensitizing effects known

Acute Toxicity Data:

Sodium Fluoride – LD50 (oral rat) 52mg/kg

Medical Conditions Aggravated by Exposure: Individuals with pre-existing skin disease may be at increased risk from exposure. May cause skin sensitization in susceptible individuals.

Carcinogenicity: Sodium fluoride and ethanol are not known to be a carcinogen or potential carcinogen by NTP (National Toxicological Program) or OSHA (Occupational Safety and Health Administration). IARC (International Agency for the Research of Cancer) lists ethanol as Group 1 but in alcoholic beverages consumption only. This product is not an alcoholic beverage.

SECTION XII: Ecological Information

Toxicity: No further relevant information available

Persistence and Degradability: No further relevant information available

Bio-accumulative potential: No further relevant information available

Mobility in Soil: No further relevant information available

Other Adverse Effects: Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system. Water hazard class I (self-assessment): slightly hazardous for water

SECTION XIII: Disposal Considerations

Waste treatment methods recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings recommendation: Dispose of in accordance with all Federal, State and Local regulations.

SECTION XIV: Transport Information

DOT:

Proper Shipping Name – Ethanol solution

Hazard Class – 3

UN Number – UN 1170

Packing Group – III

Packaging - See 49 CFR 173.203 for authorized specification non-bulk packagings.

Limited Quantity and Consumer Commodity Exception - See 49 CFR 173.150 for limited quantity and consumer commodity exceptions (valid until 12/31/2020). Inner packagings which do not exceed 5 L and outer packagings not exceeding 30 kg are authorized.

Hazardous Substances (RQ) – Ethanol is not listed as a hazardous substance.

IATA:

Proper Shipping Name – Ethanol solution

Hazard Class – 3

UN Number – UN 1170

Packing Group – III

Limited Quantity Exception – See Packing Instruction Y344. Up to 5 L maximum quantity per inner package (depending on type of package used) and 10 L / 30 kg gross weight maximum per package. Combination packages are required.

Consumer Commodity Exception - See Packing Instruction Y963. If inner packages are not more than 500 mL and material is packaged for consumer use, it may be reclassified as ID8000, Consumer Commodity, Class 9. Gross weight is 30 kg.

Passenger Aircraft Limitation - See Packing Instruction 355. Up to 10 L maximum quantity per inner package (depending on inner package used) and 60 L maximum net quantity per package. Combination and single packages are permitted

Cargo Aircraft Limitation - See Packing Instruction 366. Up to 25 L maximum quantity per inner package (depending on inner package used) and 220 L maximum net quantity per package. Combination and single packages are permitted.

IMDG/IMO:

Proper Shipping Name – Ethanol (Ethyl Alcohol)

Hazard Class – 3

UN Number – UN 1170

Packing Group – III

SECTION XV: Regulatory Information

US State Regulations:

California Proposition 65:

Chemicals known to cause cancer- None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females – None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males – None of the ingredients are listed.

Chemicals known to cause developmental toxicity – Ethanol

US Federal Regulations:

SARA TITLE III:

Section 355 – None of the ingredients are listed.

Section 313 – **None of the ingredients are listed.**

EPA Toxic Substances Control Act (TSCA) Status – All ingredients are listed.

International Regulations: Not determined

SECTION XVI: Other Information

Supersedes: 30 April 2014

Date Revised: 10 June 2015

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