

ROYDENT Dental Products

Safety Data Sheet

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1. PRODUCT IDENTIFICATION

Trade Name (as labeled): TO DYE FOR – All Colors
Chemical Name/Classification: Colorant in propylene glycol and water solution
Product Identifier (Part/Item Number): 750, 755, 760, 765
U.N. Number: Not Regulated
U.N. Dangerous Goods Classification: NA
Recommended Use: Dye for Caries and Fractures Detection
Restrictions on Use: For use by Dental Professionals only
Distributed by: Roydent Dental Products
Distributors Address: 608 Rolling Hills Dr., Johnson City, TN 37604
Distributor Telephone Number: 1-800-992-7767 (Product Information)
Emergency Contact Telephone Number: Chemtrec (800) -262-8200
Email address: Chemtrec@chemtrec.com

2. HAZARD(s) IDENTIFICATION

Hazard/Danger Classification:

Physical		
Health		
Environment		

Associated Hazards:

Prehazard Statement	
None	



EU Classification: NA

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EU Risk (R) and Safety (S) Phrases: S24, S25

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Water	7732-18-5	Water/H ₂ O	NA	47%
Propylene glycol, USP	231-791-2	Propane-1,2-diol	S25	47%
Emulsifier	57-55-6		NA	5%
Colorant	200-338-0		NA	1%

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.




4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	May cause irritation on contact with eyes
Skin	Will stain skin
Inhalation	None
Ingestion	None
Most important symptoms of exposure	Irritation
Other	NA
Note to Physicians (Treatment, Testing, and Monitoring) Treat Symptomatically	

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, foam, CO ₂ , dry chemical extinguisher
Fire Fighting Procedures:	None other than that required for safe practice
Specific Hazards Arising from the Chemical:	None
Precautions for Fire Fighters:	None Known

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Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: None

Environmental Precautions: None

Methods and Materials for Containment and Clean-up: Dispose of material in accordance with federal, state and local regulations

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	SKIN
	

7. HANDLING AND STORAGE

Precautions for Safe Handling: No special measures necessary

Conditions for Safe Storage: No special measures necessary

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No special measures necessary

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Biological Exposure Limits: No special measures necessary

Appropriate Engineering Controls: No special measures necessary

Individual Protection Measures (PPE)



Specific Eye/face Protection: Safety Glasses/Goggles

Specific Skin Protection: Chemically impervious gloves are recommended to prevent staining of skin

Specific Respiratory Protection: None

Specific Thermal Hazards: None

Recommended Personal Protective Equipment

EYES/FACE	SKIN
	

Environmental Exposure Controls: None Required

General Hygiene Considerations and Work Practices: Wash hands after use

Protective Measures During Repair and Maintenance of Contaminated Equipment: None Required

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red or Blue	Explosive limits:	Not Determined
Odor:	Odorless	Vapor pressure:	NA
Odor threshold:	Not Determined	Vapor density:	NA
pH:	Not Determined	Relative density:	Not Determined
Melting/freezing point:	-20°C	Solubility:	Soluble
Initial boiling point and range:	220°F	Partition coefficient: n-octanol/water:	NA
Flash point:	NA	Auto-ignition temperature:	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	Not Determined

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Flammability:	Non-Flammable	Viscosity:	Not Determined
Explosive Properties:	NA	Oxidizing Properties:	Not Determined

10. STABILITY AND REACTIVITY

Reactivity: NA
Chemical Stability: NA
Possibility of Hazardous Reactions: NA
Conditions to Avoid: NA
Incompatible materials: NA
Hazardous Decomposition Products: NA

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure: Irritation/Stain							
Emergency Overview: NA							
Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)	LD50 Testing Data (as applicable)	LC50 Testing Data (as applicable)
Eye:	Irritant	Single	Mild	NA	NA	NA	NA
Skin:	Stain	Single	Mild	NA	NA	NA	NA
Inhalation:	NA	NA	NA	NA	NA	NA	NA
Ingestion:	NA	NA	NA	NA	NA	NA	NA
Other:	NA	NA	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure: None known							
Carcinogenicity: N/A							

12. ECOLOGICAL INFORMATION

Toxicity: No
Persistence and Degradability: NA

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Bio-accumulative Potential: NA

Mobility in Soil: Not determined

Other Adverse Effects: NA

Results of PBT/vPvB Assessment: Not Determined

13. DISPOSAL CONSIDERATIONS

Regulations: NA

Properties (Physical/Chemical) Affecting Disposal: None

Waste Treatment Recommendations: None

14. TRANSPORT INFORMATION

UN Identification Number: Non Hazardous/Not Regulated

UN Proper Shipping Name: Not Regulated

Transport hazard class(es): Not Regulated

Packing Group: Not Regulated

Special precautions for user: Non Hazardous/Not Regulated



15. REGULATORY INFORMATION

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): NA

Toxic Substances Control Act (TSCA): NA

Clean Water Act (CWA): NA

Clean Air Act (CAA): NA

Superfund Amendments and Reauthorization Act (SARA) Title III Information: NA

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SARA Section 311/312 (40 CFR 370) Hazard Categories: NA

Immediate Hazard:	NA	Pressure Hazard:	NA
Delayed Hazard:	NA	Reactivity Hazard:	NA
Fire Hazard:	NA		

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
NA	NA	NA

State Regulations

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
NA	NA	NA

International Regulations

Canadian Environmental Protection Act: Not regulated

Canadian Workplace Hazardous Materials Information System (WHMIS): Not regulated

European Inventory of Existing Chemicals (EINECS): NA

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

S24 Avoid contact with skin, may stain

S25 Avoid contact with eyes

Date of SDS Preparation/Revision: 08/14/2014 rev0

Data Sources: Supplier

The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which Roydent Dental Products bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.