

Material Safety Data Sheet

OXYGONE

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SECTION I – Product/Company Identification

1.1 Product Trade Name: OXYGONE
1.2 Part (Item) Number:
1.3 Division Name: COSMEDENT Inc.
1.4 Address: 401 North Michigan Avenue
Chicago, IL 60611
1.5 Emergency Telephone Number:
1.6 Telephone Number for Information: (312) 644-9586// (800) 621-6729
1.7 Date Prepared: 03-04-2011

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
1,2-Propanediol	CAS-Nr. 57-55-6	N.E.	N.E.	
Glycerol	CAS-Nr. 56-81-5	N.E.	N.E.	

SECTION III – Physical/Chemical Characteristics

3.1 Boiling Point:	100°C beginning	3.6 Specific Gravity:	1,2 g/cm ³
3.2 Vapor Pressure:	10 mbar	3.7 Melting Point:	- 10°C
3.3 Vapor Density:	N.E.	3.8 Evaporation Rate:	N.E.
3.4 Solubility in Water:	soluble		
3.5 Appearance and Odor:	transparent gel with sweet odor		

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash Point: 105°C
4.2 Flammability (explosive limits): 410°C
LEL: 2,6 % UEL: 12,6 %
4.3 Extinguishing Media: Water spray, Carbon dioxide, foam
4.4 Special Fire Fighting Procedures: Fire fighter should wear full protective clothing including a self contained breathing apparatus
4.5 Unusual Fire and Explosion Hazards: During a fire, irritating gases from the decomposition may be present

SECTION V – Reactivity Data

5.1 Stability: Unstable: Stable: X
5.2 Condition to Avoid (Stability): Temperatures greater than 100°C
5.3 Incompatibility (Materials to Avoid): Strong oxidizing agents
5.4 Hazardous Decomposition or Byproducts: Irritating gases, CO and CO₂
5.5 Hazardous Polymerisation: May Occur: Will not Occur: X
5.6 Conditions to Avoid (Polymerisation): Not polymerisable

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SECTION VI – Health Hazard Data

6.1 Route(s) of Entry:	Inhalation?: No	Skin?: Yes	Ingestion?: Possible
6.2 Health Hazards (Acute and Chronic):	1,2-Propanediol	LD-50 > 20000 mg/kg (rat, oral)	
	Glycerol	LD-50 > 12600 mg/kg (rat, oral)	
Eyes:	Material can cause slight irritation.		
Skin:	Material can cause slight irritation.		
Ingestion:	Material is probably not harmful if swallowed.		
6.3 Carcinogenicity:	NTP?: Not listed	IARC Monographs?: Not listed	OSHA Regulated?: No
	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic substances Control Act (TSCA) Chemical Substance Inventory.		
6.4 Signs and Symptoms of Exposure:	Dermal redness or irritation.		
6.5 Medical Conditions Generally Aggravated by Exposure:	Open sores and wounds of the skin.		
6.6 Emergency First Aid Procedures:			
Inhalation:	Fresh air		
Eyes:	In case of eye contact, flush with flowing water.		
Skin:	Wash skin with soap and water.		
Ingestion:	If swallowed give 2 glasses of water to drink. See a physician.		

SECTION VII – Precautions for Safe Handling and Use

7.1 Steps to Be Taken in Case Material is Released or Spilled:	Scoop bulk material and place in a labeled plastic or metal container. Avoid gross skin contact .
7.2 Waste Disposal Methods:	Dispose of in accordance with Federal, State and Local environmental control regulations.
7.3 Precautions to Be Taken in Handling and Storage:	Store away from food and beverages. Store away from extreme heat.
7.4 Other Precautions:	None

SECTION VIII – Control Measures

8.1 Respiratory Protection:	None required during normal use of this product.
8.2 Ventilation:	None required during normal intended use of this product.
8.3 Protective Gloves:	Latex or vinyl gloves
8.4 Eye Protection:	Protective goggles
8.5 Other Protective Clothing or Equipment:	Coat
8.6 Work/Hygienic Practices:	Observe normal care when working with chemicals.
