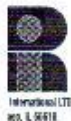


MATERIAL SAFETY DATA SHEET



MANUFACTURER'S NAME: ROTH INTERNATIONAL LIMITED		NFPA HAZARD CLASSIFICATIONS <input type="checkbox"/> = HEALTH <input type="checkbox"/> = FLAMMABILITY <input type="checkbox"/> = REACTIVITY <input type="checkbox"/> = NOT FOUND
DIST. BY:	ROTH INTERNATIONAL LIMITED DENTAL PRODUCTS MANUFACTURING DIVISION 669 WEST OHIO STREET CHICAGO, ILLINOIS 60610-3958	
EMERGENCY TELEPHONE NUMBER: 312 733-1478 INFORMATION TELEPHONE NUMBER: 312 733-1478		
I. IDENTIFICATION LABEL NAME: CEMENT, ZINC OXIDE & EUGENOL, DENTAL TRADE OR PRODUCT NAME: TYPES 601, 801, 811 TYPES 602, 802, 812 FEMA NO. N/A CAS NO. 1314-13-2		

II. FIRE, EXPLOSION AND REACTIVITY DATA

FLASH POINT (METHOD): ° F. TAG CLOSED CUP	
EXTINGUISHING MEDIA: WATER <input type="checkbox"/> FOG <input type="checkbox"/> CO ₂ <input type="checkbox"/> FOAM <input type="checkbox"/> DRY <input type="checkbox"/> CHEMICAL	DOT HAZARD CLASSIFICATION: NON-COMBUSTIBLE
SPECIAL FIREFIGHTING PROCEDURES: Keep containers cool with fine water spray	
HAZARDS FIRE AND EXPLOSION HAZARDS: None known	
HAZARDOUS COMBUSTIBLE OR DECOMPOSITION PRODUCTS: NONE	
STABILITY: Presents no significant reactivity hazard	
CONDITIONS TO AVOID: MATERIALS TO AVOID: N/A	
HAZARDOUS POLYMERIZATION PRODUCTS: None.	

III. PHYSICAL DATA

ODOR, APPEARANCE AND PHYSICAL STATE: WHITE POWDER, TURNS YELLOW UPON HEATING	
BOILING POINT: N/A °C °F	SPECIFIC GRAVITY (H ₂ O = 1.0): 5.60
MELTING POINT: N/A °C °F	
VAPOR PRESSURE: N/A mmHg at °C °F	SOLUBILITY IN H ₂ O: INSOLUBLE
VAPOR DENSITY (AIR = 1): Greater Than 1	

IV. PROTECTION INFORMATION

RESPIRATORY: No special procedures normally required. If excessive exposure produces adverse effects remove the individual to fresh air and keep at rest. Obtain medical advice if any symptoms persist.	VENTILATION: Special ventilation facilities are not normally required.
EYE: Irrigate copiously with water for at least ten minutes. Obtain medical advice.	SKIN: Prevent contaminated clothes. Wash affected area with water (or soap and water). If irritation persists obtain medical advice.
OTHER PROTECTIVE DEVICES AND PROCEDURES: Measures should be taken to prevent contact with eyes and skin.	

V. OCCUPATIONAL EXPOSURE LIMIT

THRESHOLD LIMIT VALUE (TVL): NON ESTABLISHED.
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): NONE ESTABLISHED.
HAS THE SUBSTANCE BEEN LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN IN THE "ANNUAL REPORT ON CARCINOGENS" PUBLISHED BY NTP, BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR BY OSHA? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

REV 08/2011 5M

INTERNET: www.rothendo.com



VI. HEALTH HAZARD INFORMATION

HEALTH HAZARD DETERMINATION:

THIS PRODUCT IS A "MIXTURE" FOR WHICH NO HEALTH HAZARD DATA EXIST. THE HAZARD COMMUNICATION STANDARD REQUIRES THAT SUCH MIXTURES BE ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO COMPONENTS THAT CONSTITUTE AT LEAST 1% OF THE MIXTURE (0.1 % FOR CARCINOGENS) ALTHOUGH OSHA HAS NOTED THAT THE HAZARDS OF INDIVIDUAL COMPONENTS MAY BE ALTERED BY INCLUDING THEM IN A MIXTURE.

HAZARDOUS INGREDIENTS:

THIS PRODUCT IS A MIXTURE SOME COMPONENTS OF WHICH WE CONSIDER TO BE A TRADE SECRET.

Primary route of entry – SKIN

Medical conditions known to be aggravated – NONE KNOWN

Symptoms of overexposure – NONE KNOWN

OVERALL DETERMINATION

REPEATED CONTACT MAY CAUSE CONTACT DERMATITIS.

VII. EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE:

REMOVE TO FRESH AIR

EYE CONTACT:

RINSE WITH COPIOUS AMOUNTS OF WATER – SEE PHYSICIAN

SKIN CONTACT:

WASH WITH SOAP AND WATER

OTHER:

NONE

VIII. SPILL, LEAK AND DISPOSAL PROCEDURES

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED:

SWEEP, SHOVEL AND VACUUM

WASTE DISPOSAL METHODS:

Should be disposed of by a responsible contractor according to federal, state or local ordinances, or incinerated in keeping with all Environmental Protection Agency regulations

IX. HANDLING AND STORAGE PROCEDURES

Store in cool dry area protected from direct sunlight.
Keep container closed when not in use

X. CHEMICAL AND COMMON NAMES

THIS MATERIAL IS A MIXTURE.

MATERIAL SAFETY DATA SHEET PREPARED BY D MAKAREWICZ

DATE 05/08/2011

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM CURRENT AND REPUTABLE SOURCES HOWEVER, THE DATA IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED REGARDING ITS CORRECTIVENESS OR ACCURACY, IT IS THE USER'S RESPONSIBILITY BOTH TO DETERMINE SAFE CONDITIONS FOR USE OF THIS PRODUCT AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE OR EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT