

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

073637329

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

073637337 073637345 073637386

# Holmes Dental Company

NFPA

Qyk-Set for Temporaries - Powder

1  
1 0  
N/A



## SECTION 1 : Chemical Product and Company Identification

MSDS Name: Qyk-Set for Temporaries - Powder

Manufacturer Name: Holmes Dental Company

Address:

50. S. Penn Street  
Hatboro, PA 19040

Business Phone: 215-675-2877

Business Fax: 215-675-7147

For information in North America, call: 215-675-2877

NFPA

Health: 1

Flammability: 1

Reactivity: 0

Other: N/A



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## SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
Particulates, NOC	Not Established	< 99%	

OSHA PEL TWA: Not Established

ACGIH TLV TWA: Not Established



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## SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:

Fine tinted powder

Odor:

Faint odor

Vapor Pressure:

Not Established

Vapor Density:  
Not Established

Boiling Point:  
Not Established

Melting Point:  
Not Established

Solubility:  
In water: Insoluble

Specific Gravity:  
(H<sub>2</sub>O=1): Not Established

Evaporation Point:  
(Butyl Acetate = 1): Not Established

FlashPoint:  
340 deg C/579 deg F

Upper Flammable Explosive Limit:  
Not Applicable

Lower Flammable Explosive Limit:  
Not Applicable



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#### **SECTION 4 : Fire And Explosion Hazards**

Flash Point:  
340 deg C/579 deg F

Upper Flammable or Explosive Limit: Not Applicable

Lower Flammable or Explosive Limit: Not Applicable

Extinguishing Media:  
Carbon dioxide, dry chemical or appropriate foam.

Fire Fighting Instructions:  
Avoid extinguishing methods which may generate dust.

#### **NFPA**

Health: 1

Flammability: 1

Reactivity: 0

Other: N/A

#### **Unusual Fire Hazards:**

Finely divided dust is combustible. Explosive limits of particles suspended in air are approximately those of coal dust



## SECTION 5 : Health Hazards

### Particulates, NOC:

Route of Exposure:

Inhalation: Yes

Skin: Yes

Ingestion: Yes

Potential Health Effects:

Eye Contact:

Acute: Contact with powder may cause irritation and redness.

Skin Contact:

Acute: Prolonged or repeated exposure may cause skin irritation, sensitization and/or dermatitis.

Inhalation:

Acute: Excessive inhalation can cause respiratory irritation.

Chronic Eye Contact:a

Contact with powder may cause irritation and redness.

Chronic Skin Contact:

Prolonged or repeated exposure may cause skin irritation, sensitization and/or dermatitis.

Chronic Inhalation:

Excessive inhalation can cause respiratory irritation.

Carcinogenicity:

OSHA Designation: Regulated: Not Applicable

NTP Designation: Not Applicable

IARC Designation: Monographs: Not Applicable

Signs/Symptoms:

See health hazards.

Aggravation of Pre-Existing Conditions:

None known



## SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Flush with plenty of water for at least 15 minutes. Call a physician.

Skin Contact:

Wash exposed areas thoroughly with soap and water. Seek medical attention if

discomfort persists.

**Inhalation:**

Move to fresh air. Seek medical attention if discomfort persists.

**Ingestion:**

Rinse mouth with large quantities of water. Seek medical attention.



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### **SECTION 7 : Reactivity Data**

**Chemical Stability:**

Stable

**Conditions to Avoid:**

Temperatures above 240 deg C/464 deg F

**Incompatibilities with Other Materials:**

Strong oxidizing agents

**Hazardous Polymerization:**

Will not occur

**Hazardous Decomposition Products:**

Methyl methacrylate monomer and oxides of carbon



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### **SECTION 8 : Precautions For Safe Handling**

**Spill Cleanup Measures:**

Spilled material presents a slipping hazard. Use sweeping aid to avoid airborne particulates.

**Other Precautions:**

Wash hands thoroughly after handling.

**Storage:**

Store in a cool dry place. Keep container closed when not in use.

**Work Practices:**

Use in a highly professional manner.

**Hygiene Practices:**

Use in a highly professional manner.

**Waste Disposal:**

Dispose of in accordance with applicable local state and federal laws.

**DOT Shipping Name:**

Synthetic Gum Resin Granular, NOIBN



## SECTION 9 : Control Measures

Ventilation System:  
Recommended

Hand Protection Description:  
Protective gloves: Recommended

Eye/Face Protection:  
Safety glasses

Protective Clothing/Body Protection:  
Not Applicable

Respiratory Protection:  
Recommended, use type for particulates.



## SECTION 10 : Other Information

NFPA:

Fire Hazard: 1

Health: 1

Reactivity: 0

Specific Hazard: N/A

Abbreviations:

NFPA = National Fire Protection Association

N/A = Not Applicable

N/E = Not Established

# SAFETY DATA SHEETS / GHS

1/6/2016

## SECTION 1: PRODUCT IDENTIFICATION: QYK-SET FOR TEMPORARIES-POWDER

**CHEMICAL NAME: METHACRYLATE COPOLYMER**

HOLMES DENTAL COMPANY  
50 S PENN STREET  
HATBORO PA 19040  
800-322-5577



## SECTION 2 : HAZARD(S) IDENTIFICATION



WARNING FOR POLYMER:

OSHA CLASSIFIES THIS MATERIAL AS PARTICULATES, NOT OTHERWISE CLASSIFIED

- EYES: MAY BE IRRITATING TO THE EYES BY GROSS OVER-EXPOSURE, NO MATTER HOW GENERATED. SYMPTOMS OF EXPOSURE MAY INCLUDE REDNESS; ITCHING; IRRITATION AND WATERING. KEEP DUST OUT OF EYES. IN THE EVENT DUST GETS INTO THE EYES FLUSH WITH WATER OR SALINE IMMEDIATELY
- INGESTION : NOT EXPECTED TO CAUSE ANY HARMFUL EFFECTS. INGESTION OF LARGE AMOUNTS MAY BE IRRITATING IF PRODUCT IS SWALLOWED. MAY CAUSE NAUSEA, HEADACHE, VOMITTING AND/OR DIARRHEA.
- SKIN: MAY BE IRRITATING TO THE SKIN IN SOME SENSITIVE INDIVIDUALS, ESPECIALLY AFTER PROLONGED AND/OR REPEATED CONTACT.
- INHALATION : MAY BE IRRITATED BY GROSS OVER-EXPOSURE, NO MATTER HOW GENERATED

**CHRONIC HAZARDS: NONE KNOWN**

CARCINOGENICITY: IARC LISTS BENZOYL PEROXIDE AS UNCLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS. NONE OF THE OTHER COMPONENTS OF THIS MATERIAL ARE LISTED BY IARC, NTP, OSHA, OR ACGIH AS CARCINOGENS.

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN OR EYES.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	CAS NUMBER	WT/WT%
POLYMER	25685-29-4	60.0-100.0
BENZOYL PEROXIDE	94-36-0	0.0-5.0

TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING	RECOMMENDATION	SKIN
10 mg/m	NE	15 mg/m	NE	15mg/m	NE
5mg/m	NE	5mg/m	NE	5mg/m	NE

### SECTION 4: FIRST AID MEASURES



#### EMERGENCY AND FIRST AID PROCEDURES

<b>EYES</b>	IF PRODUCT GETS INTO THE EYES FLUSH WITH COPIOUS AMOUNTS OF LUKEWARM WATER FOR AT LEAST 15 MINUTES. IF IRRITATION OCCURS, CONTACT A PHYSICIAN.
<b>INGESTION</b>	IF INGESTED, DO NOT INDUCE VOMITTING. IF PRODUCT HAS BEEN SWALLOWED, DRINK PLENTY OF WATER OR MILK IMMEDIATELY. IF THE PATIENT IS VOMITTING, CONTINUE TO OFFER WATER OR MILK. NEVER GICVE ANYTHING BY MOUTH TO AN UNCONSIIOUS PERSON. PROVIDE ESTIMATE OF THE TIME AT WHICH THE MATERIAL WAS INGENTED AND THE AMOUNT OF THE SUBSTANCE THAT WAS SWALLOWED. SEEK IMMEDIATE MEDICAL ATTENTION
<b>INHALATION</b>	REMOVE TO FRESH AIR AND SEEK IMMEDIATE MEDICAL ATTENTION
<b>SKIN</b>	IF IRRITATION OCCURS AND PRODUCT IS ON THE SKIN, RINSE THOROUGHLY WITH LUKEWARM WATER, FOLLOWED BY A THROUGH WASHING OD THE EFFECTED AREA WITH SOAP AND WATER. IF IRRITATION, REDNESS OR SWELLING PERSISTS, CONTACT PHYSICIAN IMMEDIATELY



<b>CLOTHING</b>	REMOVE CONTAMINATED CLOTHING, WASH THOROUGHLY BEFORE REUSE
<b>TREATMENT</b>	TREAT SYMPTOMS CONVENTIONALLY, AFTER THROUGH DECONTAMINATION

## SECTION 5: FIRE FIGHTING MEASURES



<b>FLASH POINT</b>	304 °C, 580 °F
<b>FLAMMABLE LIMIT AIR VOL%</b>	UPPER N/A LOWER N/A
<b>AUTOIGNITION TEMPERATURE</b>	NE
<b>EXTINGUISHER METHOD</b>	WATER, CARBON DIOXIDE, DRY CHEMICAL
<b>FIRE AND EXPLOSION HAZARDS</b>	POLYMER DUST IS COMBUSTABLE. THE EXPLOSIVE LIMITS OF THE POLYMER PARTICLES ARE SUSPENDED IN AIR ARE APPROXIMATELY THOSE OF COAL DUST.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	AVOID EXTINGUISHING METHODS, WHICH MAY GENERATE DUST CLOUDS. WATER STREAM CAN DISPERSE DUST INTO AIR PRODUCING A FIRE HAZARD AND POSSIBLE EXPLOSION TO IGNITION SOURCE.
<b>EXPLOSION HAZARD</b>	FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS
<b>SENSITIVE TO MECHANICAL IMPACT</b>	NO
<b>SENSITIVE TO STATIC DISCHARGE</b>	NO

## SECTION 6: ACCIDENTAL RELEASE MEASURES



**BEFORE CLEANING UP ANY SPILL OR LEAK, INDIVIDUALS INVOLVED MUST WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (E.G. GOGGLES, GLOVES). SWEEP UP TO AVOID SLIPPING HAZARDS. KEEP AIRBOURNE PARTICLES AT A MINIMUM WHEN CLEANING UP SPILLS. DISPOSE OF PROPERLY IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. WASH ALL AFFECTED AREAS WITH PLENTY OF WARM WATER AND SOAP. REMOVE ANY CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE**

**SECTION 7: HANDLING AND STORAGE**



<b>PRECAUTIONS FOR HANDLING</b>	USE IN WELL VENTILATED AREAS. AVOID CONTACT WITH SKIN, EYES AND CLOTHING, AVOID BREATHING DUST. USE GOOD PERSONAL HYGIENE AND HOUSEKEEPING.
<b>PRECAUTIONS FOR STORAGE</b>	STORE CONTAINERS IN A COOL, DRY LOCATION, AWAY FROM DIRECT SUNLIGHT AND/OR OTHER LIGHT SOURCES OR SOURCES OF INTENSE HEAT. KEEP CONTAINER CLOSED TO PREVENT WATER ABSORPTION AND CONTAMINATION.
<b>INDUSTRIAL HYGIENE PRACTICES</b>	AVOID PROLONGED CONTACT WITH THE PRODUCT. USE IN A WELL-VENTILATED LOCATION (E.G. LOCAL EXHAUST VENTILATION, FANS) AFTER USE WASH HANDS AND EXPOSED SKIN WITH SOAP AND WATER. DO NOT EAT, DRINK OR SMOKE WHILE HANDLING PRODUCT

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**



<b>VENTILATION</b>	
<b>RESPIRATORY PROTECTION</b>	
<b>EYE PROTECTION</b>	
<b>PROTECTIVE GLOVES</b>	
<b>OTHER PROTECTIVE EQUIPMENT</b>	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE	FINE, CLEAR TO PIGMENTED POWDER
ODOR	FAINT ODOR IN BULK
PH	NA
ODOR THRESHOLD	ND
BOILING POINT	NA
FREEZING POINT	NA
VISCOSITY	NA
SPECIFIC GRAVITY	ND
VAPOR PRESSURE	NA
PERCENT VOLATILE	NA
VAPOR DENSITY	NA
EVAPORATION RATE	NA
SOLUBILITY IN WATER	INSOLUBLE
COEFFICIENT OF WATER/OIL DISTRIBUTION	ND

## SECTION 10: STABILITY AND REACTIVITY



CONDITIONS TO AVOID	HEATING ABOVE 240° C, 464° F	
INCOMPATIBILITY (MATERIALS TO AVOID)	STRONG OXIDIZING AGENTS	
HAZARDOUS DECOMPOSITION PRODUCTS	METHACRYLATE MONOMER AND OXIDES OF CARBON WHEN BURNED	
HAZARDOUS POLYMERIZATION	MAY OCCUR	MAY NOT OCCUR ×
STABILITY	UNSTABLE	STABLE ×

## SECTION 11: TOXICOLOGICAL INFORMATION



TOXICITY DATA	THIS PRODUCT HAS NOT BEEN TESTED ON ANIMALS TO OBTAIN TOXICOLOGY DATA. THERE IS TOXICOLOGY DATA FOR THE COMPONENTS OF THE PRODUCT, WHICH IS FOUND IN SCIENTIFIC LITERATURE. THIS DATA HAS NOT BEEN PRESENTED IN THIS DOCUMENT
MUTAGENICITY DATA	THIS PRODUCT IS NOT REPORTED TO PRODUCE MUTAGENIC EFFECTS IN HUMANS
REPRODUCTIVE TOXICITY DATA	EMBRYOTOXICITY <b>THIS PRODUCT IS NOT REPORTED TO PRODUCE EMBRYOTOXIC EFFECTS IN HUMANS</b> TERATOGENICITY <b>THIS PRODUCT IS NOT REPORTED TO CAUSE TERAOGENIC EFFECTS IN HUMANS</b> REPRODUCTIVE TOXICITY <b>THIS PRODUCT IS NOT REPORTED TO CAUSE REPRODUCTIVE EFFECTS IN HUMANS</b>

## SECTION 12: ECOLOGICAL INFORMATION



AQUATIC TOXICITY	THERE IS NO SPECIFIC DATA AVAILABLE FOR THIS PRODUCT, HOWEVER VERY LARGE RELEASES OF THIS PRODUCT MAY BE HARMFUL OR FATAL TO OVER-EXPOSED AQUATIC LIFE
ENVIRONMENTAL FATE	THIS IS NO SPECIFIC DATA AVAILABLE FOR THIS PRODUCT

## SECTION 13: DISPOSAL CONSIDERATIONS



WASTE DISPOSAL METHOD	DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS
DISPOSAL OD EMPTY CONTAINERS	REUSE OF EMPTY DRUMS OR CONTAINERS IS NOT RECOMMENDED. EMPLOYEES SHOULD BE ADV ISED OF THE POTENTIAL HAZARDS DUE TO RESIDUAL MATERIAL ASSOCIATED WITH EMPTY CONTAINERS PROPERLY IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS

**SECTION 14: TRANSPORTATION**



<b>DOT/UN SHIPPING NAME</b>	POLYMER,NOI
<b>DOT/UN CLASS</b>	
<b>NA/UN NUMBER</b>	
<b>PACKING GROUP</b>	
<b>LABEL</b>	
<b>IMDG CLASS</b>	
<b>IMDG PG</b>	
<b>CERCLA RQ</b>	

**SECTION 15: REGULATORY INFORMATION**



<b>SARA REPORTING REQUIREMENTS</b>	NA
<b>SARA THRESHOLD PLANNING QUANTITY</b>	THERE ARE NO SPECIFIC THRESHOLD PLANNING QUANTITIES FOR THE COMPONENTS OF THIS PRODUCT
<b>TSCA INVENTORY STATUS</b>	THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY FOR USE IN FDA REGULATED PRODUCTS ONLY
<b>CERCLA REPORTABLE QUANTITY (RQ)</b>	NA
<b>OTHER FEDERAL REQUIREMENTS</b>	THIS PRODUCT COMPLIES WITH THE APPROPRIATE SECTIONS OF THE FDAS 21 CFR SUBCHAPTER G (COSMETICS)
<b>OTHER CANADIAN REQUIREMENTS</b>	THIS PRODUCT HAS BEEN CLASSIFIED ACCORDING TO THE HAZARD CRITERIA OF THE CPR AND THE GHS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE DSL/NDL. NONE OF THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE PRIORITIES SUBSTANCES LIST
<b>STATE REGULATORY INFORMATION</b>	THIS PRODUCT MAY CONTAIN COMPONENTS THAT ARE COVERED UNDER SPECIFIC STATE CRITERIA

RISK STATEMENTS	R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN
SAFETY STATEMENTS	S3	KEEP IN COOL PLACE
	S7	KEEP CONTAINER TIGHTLY CLOSED
	S9	KEEP CONTAINER IN WELL VENTILATED PLACE
	S20	WHEN USING DO NOT EAT OR DRINK
	S29	DO NOT EMPTY REMAINS INTO DRAINS
	S37/39	WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION

## SECTION 16: OTHER INFORMATION



### HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING

HEALTH	1	
FLAMMABILITY	1	
REACTIVITY	0	
PERSONAL PROTECTIVE EQUIPMENT		GLOVES AND SAFETY GLASSES OR CHEMICAL GOGGLES

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

### ABBREVIATIONS:

NA	NOT APPLICABLE
NE	NOT ESTABLISHED
ND	NOT DETERMINED
PPM	PARTS PER MILLION
MG	MILLIGRAM
GM	GRAM
KG	KILOGRAM

<b>G</b>	<b>GALLON</b>
<b>L</b>	<b>LITER</b>
<b>MOL</b>	<b>MOLE</b>
<b>U</b>	<b>MICRO</b>
<b>P</b>	<b>PICO</b>
<b>MM</b>	<b>MILLIMETER</b>
<b>PA</b>	<b>PASCALS</b>
<b>LC</b>	<b>LETAL CONCENTRATION</b>
<b>LD</b>	<b>LETHAL DOSE</b>
<b>TD</b>	<b>TOXIC DOSE</b>
<b>COD</b>	<b>CHEMICAL OXYGEN DEMAND</b>
<b>THOD</b>	<b>THEORETICAL OXYGEN DEMAND</b>
<b>TC</b>	<b>TOXIC CONCENTRATION</b>
<b>BOD</b>	<b>BIOLOGICAL OXYGEN DEMAND</b>
<b>LO</b>	<b>LOWEST</b>
<b>TLM</b>	<b>THRESHOLD LIMIT</b>
<b>H</b>	<b>HOURS</b>
<b>D</b>	<b>DAYS</b>
<b>W</b>	<b>WEEKS</b>
<b>M</b>	<b>MONTHS</b>
<b>Y</b>	<b>YEARS</b>
<b>ACGIH</b>	<b>AMERICAN CONFERENCE OF GOVERNMENTS INDUSTRIAL HYGENIST</b>
<b>CPR</b>	<b>CONTROLLED PRODUCTS REGULATION</b>
<b>DSL</b>	<b>CANADIAN DOMESTIC SUBSTANCE LIST</b>
<b>NDSL</b>	<b>CANADIAN NON DOMESTIC SUBSTANCE LIST</b>
<b>IARC</b>	<b>INTERNATIONAL AGENCY FOR RESEARCH FOR CANCER</b>
<b>NOEL</b>	<b>NO OBSERVED ADVERSE EFFECT LEVEL</b>
<b>OSHA</b>	<b>OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION</b>
<b>PEL</b>	<b>PERMISSIBLE EXPOSURE LIMIT</b>
<b>TLV</b>	<b>THRESHOLD LIMIT VALUE</b>