

COMPANY INFORMATION

COMPANY NAME: ORTHO SPECIALTIES
COMPANY ADDRESS: 3820 OHIO AVE - SUITE 15
 ST. CHARLES, IL 60174
COMPANY PHONE: 630-443-0225
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LATEX FREE CLASS II ELASTICS

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1 – PRODUCT IDENTIFICATION AND COMPOSITION

NAME: K-4060 TPR

CHEMICAL NAME: Styrene-Ethylene / Butylene-Styrene Copolymer / Styrene-Butadiene-Styrene Block Copolymer

GENERAL DESCRIPTION:

Small plastic piece, which are positioning and bonding on teeth, that assists the orthodontic treatment. Used exclusively inside of the mouth.

INDICATION: Orthodontic treatment.

2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

NO.	COMPOSITION	CAS#	PERCENT
1	Styrene-Butadiene-Styrene Block Copolymer, White Mineral Oil		>99
2	Minor Additives		

3 – HEALTH INFORMATION

The health effects noted below are consistent with requirements under the OSHA hazard communication standard (29 CFR 1910.1200).

EYE CONTACT: Based on presence of components 3 & 4, product is presumed to be mildly irritating to the eyes.

SKIN CONTACT: Based on presence of components 3 & 4, product is presumed to be mildly irritating to the eyes.

INHALATION: Product may cause mild mechanical irritation to the nose, throat and respiratory tract.

INGESTION: Product is considered to have low order of acute oral toxicity.

SIGNS AND SYMPTOMS: Irritation as noted above.

AGGRAVATED MEDICAL CONDITIONS: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

4 – OCCUPATIONAL EXPOSURE LIMITS

NO.	OSHA PEL/TWA	PEL/CEILING	ACGIH TLV/TWA	TLV/STEL
3	5 MG/M3*			
3	15 MG/M3**		10 MG/M3**	
4	10 MG/M3**		10 MG/M3**	
4	5 MG/M3*			

* Respirable Dust ** Total Dust None Established

5 – EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water. If irritation occurs, seek medical attention.

SKIN CONTACT: If contact with molten product occurs, treat as for ordinary burns..

INHALATION: Not ordinarily required. Remove person from dusty environment.

INGESTION: Not ordinarily required.

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6 – SUPPLEMENTAL HEALTH INFORMATION

All evidence indicates that large polymer molecules are not biologically active.

7 – PHYSICAL DATA

BOILING POINT: NA
SPECIFIC GRAVITY: .89 - .91
MELTING POINT: NA
EVAPORATION RATE: NA
SOLUBILITY: Negligible
VAPOR PRESSURE: NA
VAPOR DENSITY: NA
APPEARANCE AND ODOR: Solid, essentially odorless.

8 – FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD: NA
FLAMMABLE LIMITS / % VOLUME IN AIR: NA
EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or CO₂
SPECIAL FIRE FIGHTING PROCEDURES: Material will not burn unless preheated. Do not enter confined fire spae without full bunker gear (helment with face shield, bunker coat, gloves and boots) including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

9 – REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID:
 Avoid contact with strong oxidizers. Conditions: Product contains residual unsaturation which can undergo exathermic oxidative degradation. Accumulation of product i areas exposed to elevated temperatures for extended periods in air may result in self-heating and auto-ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:
 At processiong temperatures, some degree of thermal degradation will occur. Although hightly dependent on temperature and enviornmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such a smethane and propane), to toxic / irritationgases (carbon monoxide, carbon dioxide, acrolein, halogenated compounds, acids ketone, aldehydes). See Special Precautions.

10 – EMPLOYEE PROTECTION

RESPIRATORY PROTECTION:
 Not ordinarily required. Reference 21 CFR 1910.1000. If exposure may or does exceed occupational exposure limits (sec. 4) use NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere-supplting respirator or an air-purifying respirator for particles.

PROTECTIVE CLOTHING: Safety glasses and protective clothing should be worn when product is heated in processing.

ADDITIONAL PROTECTIVE MEASURES:
 Adequate ventilation and / or engineering controls are required when the product is heated for processing. Ventilation is required to control dust concentration in air.

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11 – ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURE: Shovel or sweep up. Avoid generating dust clouds. Put in containers for reclaiming or disposal.

WASTE DISPOSAL: Place in an appropriate waste disposal facility in compliance with local regulations.

12 – SPECIAL PRECAUTIONS

- Product can accumulate static charge during transport, handling and processing. Static charge buildup can be a potential fire hazard when used in presence of volatile or flammable mixtures. Equipment should provide a means of dissipating charge.
- In processing, do not allow the temperature to exceed 450°F. Maintain fire watch if 450°F is reached.
- Avoid vapors from heated product. Adequate ventilation must be provided at high processing temperatures, to prevent exposure to potentially toxic / irritating fumes.
- Practice good housekeeping. Do not allow product to accumulate in processing areas.

13 – TRANSPORTATION REQUIREMENTS

- Department of Transportation Classification - Not hazardous by D.O.T. Regulations.

14 – OTHER REGULATORY CONTROLS

The components of this product are listed on the EPS / TSCA inventory of chemical substances.

The information contained herein is based on the data available to us and is believed to be correct; however Ortho Specialties makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Ortho Specialties assumes no responsibility for injury from the use of the product described herein.