

Material Safety Data Sheet PROCURE HARD RELINE

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Section 1 – Identification

Product Name: PROCURE HARD RELINE

Manufacturer: KEYSTONE INDUSTRIES

616 Hollywood Ave, Cherry Hill, NJ 08002

Chemical Name: N/A

Information Contacts: (856) 663 - 4700

Emergency Phone Numbers: US & Canada (800) 535 - 5053

Family: ACRYLIC

EU Address: KEYSTONE EUROPE LLC.

Product Use: DENTURE FITTING

Batavenweg 7

Product #: 9143100, 9634740

5349BC OSS, Netherlands

Emergency Phone Numbers: International: 1-352-323-3500

Section 2 - Hazards Identification

EMERGENCY OVERVIEW of Liquid Portion (Powder is just a dust nuisance)

This information is based on findings from related or similar materials

- Flammable liquid – H226
- Acute Toxicity, inhalation – H333
- Skin and eye irritant – H315 & H319
- Skin Sensitization – H317
- Acute Aquatic Toxicity – H402
- Powder portion of kit is a dust nuisance



Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin, and ingestion. (Powder portion of kit is a dust nuisance)

Eye Causes severe eye irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation such as rashes, redness, itching, burning sensation

Ingestion May be harmful if swallowed. Symptoms include: stomach pain

Inhalation May be harmful if inhaled. Symptoms include: Nausea, coughing, shortness of breath, and sore throat. Causes respiratory tract irritation.

Sub-Chronic Effects Prolonged inhalation exposure may lead to headaches, nausea, drowsiness and unconsciousness.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Methacrylic acid butyl ester	97-88-1	202-615-1	N/A	N/E	N/E	No	One bottle
Methacrylate Polymer (non-hazardous)	9011-14-7	N/E	Polymethyl Methacrylate	N/E	N/E	Group 3/no/no	One bottle
N/E - None Established	N/DA - No Data Available						
N/R - Not Reviewed	N/A - Not Applicable						

(items in parenthesis relate to 1999/45/EC)

Methacrylic Acid Butyl Ester: Danger Symbol – GHS07 (Xn), GHS02 (F) Hazard Statement – H226 (R10), H315 (R38), H317 (R43), H319 (R36), H333 (N/A), H335 (R37), H402 (N/A) Precautionary Statement – P102 (S1/2), P261 (S23), P280 (S36/37/39), P305+351+338 (S26)

Methacrylate Polymer: Danger Symbol – GHS08 (Carc.) Hazard Statement – H351 (R40) Precautionary Statement – P280 (S36/37)

See Section 16 for Risk and Safety Phrase Key

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Section 4 - First Aid Measures

First Aid for Eye	First rinse with plenty of water for 15 minutes (remove contacts if it can be easily done) then seek medical attention.
First Aid for Skin	Remove contaminated clothes. Wash skin with soap and water.
First Aid for Inhalation	Move to fresh air. Sit victim in half upright position.
First Aid for Ingestion	Rinse mouth, induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point(°F/°C)	Flammable Limit(vol%)	Auto-ignition Temperature(vol%)
110°C	LEL – N/A UEL – N/A	N/A

Method:

Extinguishing Media:	Chemical foam, carbon dioxide, dry chemicals, water spray.
Fire Fighting Instructions:	Liquid is highly flammable. Fire-fighters should wear self-contained breathing apparatus. Keep a safe distance. Cool exposed material with cold water spray. Vapors are heavier than air and may travel to the source of ignition.
Unusual Hazards:	Sealed containers exposed to elevated temperatures may rupture explosively from polymerization. Vapors are heavier than air. Evacuate all personnel.

Section 6 - Accidental Release Measures

Spill or Release Procedures	For high vapor concentration, evacuate the area and eliminate ignition sources. Absorb spills with inert material and transfer to a suitable container for disposal.
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Section 7 - Handling and Storage

Handling	Limit all unnecessary personal contact. Avoid breathing vapors. Wear appropriate PPE. Practice good personal hygiene.
Storage	Store in a cool, well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer.
Explosion Hazard	Sealed containers exposed to elevated temperatures may rupture explosively from polymerization. Vapors are heavier than air.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls	Ensure adequate ventilation. Remove all sources of ignition.
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Personal Protective Equipment

General	Local exhaust. Keep concentrations below 10 ppm. Practice good personal hygiene.
Eye/ Face Protection	Use safety glasses and have eye flushing equipment immediately available. Eyewash recommended.
Skin Protection	Use impervious, neoprene type gloves. Safety shower recommended.
Respiratory Protection	When vapors exceed 100 ppm, use a self-contained breathing apparatus.

Section 9 - Physical and Chemical Properties

Appearance		Odor & Odor Threshold		pH	Specific Gravity	Viscosity	% Volatile
Clear pale yellow liquid		Mild odor.		N/A	(H ₂ O=1) 1.005	N/A	N/A
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
292°C	N/A	N/A	7 @ 160°C	(Air = 1) 1	N/A	N/A	Negligible
Flash Point(°F/°C)		Flammable Limit(vol%)			Auto-ignition Temperature(vol%)		
110°C		LEL – N/A UEL – N/A			N/E		

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Section 10 - Stability and Reactivity

Stability: Stable under recommended storage conditions
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and smoke.

Conditions to Avoid: Heat and ignition sources. No hazard when stored accordingly.

Incompatibility (Materials to Avoid): Reducing and oxidizing agents. Can soften paint and rubber.

Hazardous Polymerization: May occur

Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
N/DA	N/DA	N/DA	mild	mild

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the polymer. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
Possible	No information available	No information available

RTECS#:

Section 12 - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	N/DA

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated.
Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13 - Disposal Considerations

Do not allow to drain into sewers. Incinerate liquid in proper equipment. Follow Federal, State and Local regulations for disposal. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 - Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	UN2227, n-Butyl Methacrylate, stabilized, 3, III
Identification Number:	UN2227
Marine Pollutant:	No
Special Provisions:	B1, IB3, T2, TP1
Emergency Response Guidebook (ERG) #:	130P
IATA (DGR):	
Proper Shipping Name:	UN2227, n-Butyl Methacrylate, stabilized, 3, III
Class or Division:	UN2227
UN or ID Number:	N/A
Packaging Instructions:	Group III
Emergency Response Guidance (ICAO)#:	
IMO (IMDG):	
Proper Shipping Name:	UN2227, n-Butyl Methacrylate, stabilized, 3, III
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	
Other Information:	Flash point > 100°C

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Section 15 - Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's) or ozone depleting substances (ODS's), as defined by the U. S. Clean Air Act: • NONE
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant List: • NONE
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered a hazardous chemical under the OSHA Hazard Communication Standard. • Methacrylic acid butyl ester – CAS #97-88-1 (Flammable)
RCRA	This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312:	This product does contain hazardous substances under the OSHA Hazard Communication Standard, and is regulated under Section 311-312 (40 CFR 370). • Methacrylic acid butyl ester – CAS #97-88-1 (Flammable)
SARA Title III: Section 313:	This product does not contain any chemicals outlined in SARA Title III: Section 313.
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements. • Methacrylic acid butyl ester – CAS #97-88-1 None of the chemicals listed have a SNUR under TSCA.


State Regulations

CA Right-to-Know Law:	None
California No Significant Risk Rule:	None
MA Right-to-Know Law:	Methacrylic acid butyl ester – CAS #97-88-1
NJ Right-to-Know Law:	Methacrylic acid butyl ester – CAS #97-88-1
PA Right-to-Know Law:	Methacrylic acid butyl ester – CAS #97-88-1
FL Right-to-Know	None
MN Right-to-Know	None

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Polymethyl methacrylate – CAS #9011-14-7 is on the DSL List. WHMIS = N/DA Methacrylic acid butyl ester – CAS #97-88-1 is on the DSL List. WHMIS = B3, D2B
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Labeling according to EC Directives – 1999/45/EC

European Community: 	Procure Hard Reline: • Danger Symbol – GHS07 (Xn), GHS02 (F) • Hazard Statement – H226 (R10), H315 (R38), H317 (R43), H319 (R36), H333 (N/A), H335 (R37), H402 (N/A) • Precautionary Statement – P102 (S1/2), P261 (S23), P280 (S36/37/39), P305+351+338 (S26)
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Section 16 - Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

Hazard Symbol:

GHS07 (Xn) – Harmful; GHS02 (F) – Flammable; GHS08 (Carc) – Suspected Carcinogen

Hazard Phrase:

H226 (R10) – Flammable liquid and vapour, H315 (R38) – Causes skin irritation, H317 (R43) – May cause an allergic skin reaction, H319 (R36) – Causes serious eye irritation, H333 (n/a) – May be harmful if swallowed, H335 (37) – May cause respiratory irritation, H402 (n/a) – Harmful to aquatic life, H351 (R40) - Limited evidence of a carcinogenic effect

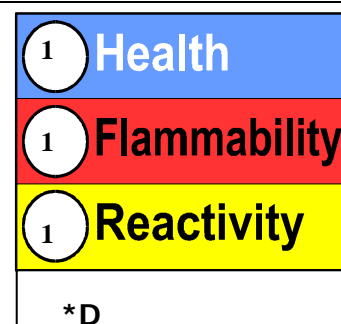
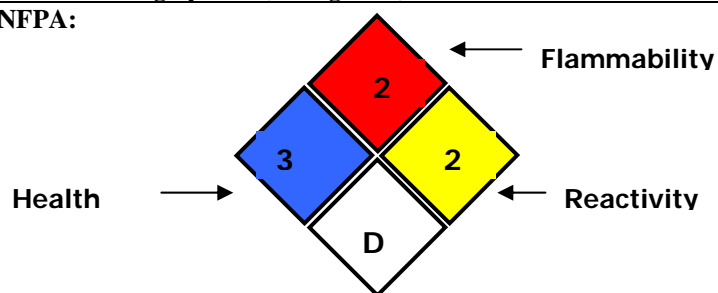
Precautionary Phrase:

P102 (S1 or S2) – Keep out of reach of children. P261 (S23) – Do not breathe gas/fumes/vapour/spray. P280 (S36/37/39) Wear suitable protective clothing, gloves, eye/face protection.

Hazard Rating System (Pictograms)

NFPA:

HMIS:



* - Respiratory protection may be necessary depending on conditions of use. Refer to Section 8 of this MSDS for respiratory protection guidelines.

OSHA PEL for nuisance dust:

ACGIH PEL for nuisance dust:

MSDS Prepared by:	SWR/WME
Revision History:	2/15/11 Updated from DR format to 16 part format and changed manufacturer to Keystone industries. Replaces 2/1/11 version.

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