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**Section 1- Product and Company Identification**  
**ACRY-FREE**

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**Date of MSDS:** Wednesday, March 24, 2004

**Product Identification:** ACRY FREE MONOMER FREE- ACRYLIC

**Product Synonym:**

**Product Class/Use:** MOULDING COMPOUND

**Company Name:** PERFLEX Ltd.

7 Giborey Israel St. Industrial Area Poleg  
Netanya 4250407, P.O.B 8123, Israel

**General Information Telephone: Emergency Telephone: Not required by regulations.**

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**Section 2- Composition/Information on Ingredients**  
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This product consists primarily of high molecular weights poly(ethyl acrylate) and residual methacrylate at less than 0.5%. See REGULATORY INFORMATION section for WHMIS, SARA 313, California Proposition 65 and various state right- to- know laws.

<b>Chemical Name</b>	<b>Cas Number</b>	<b>Osha PE/Unit</b>	<b>ACGIH TLV</b>	<b>UNIT</b>
Methyl Methacrylate,	80-62-6	100 ppm	-	-
Impact Modifier	27136-15-8	-	-	-

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**Section 3- First Aid Measures**  
**ACRY- FREE**

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**First Aid:**

Inhalation: Immediately move subject to fresh air.  
Eye Contact: Flush eyes with copious amount of water for at least 15 minutes.  
Skin Contact with Molten Product: Cool rapidly with water and immediately seek medical attention.

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**Section 4- Stability and Reactivity**  
**ACRY- FREE**

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Stability: Stable.  
Reactivity: Not reactive under recommended conditions of handling, storing, processing and use.  
Condition to avoid: Heating above 260deg.C (500deg.F).  
Incompatibility: Storing Acids, alkalis, and oxidizing agents.  
Hazardous Decomposition Products: Methyl methacrylate.  
Hazardous Polymerization: Will not occur.

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**Section 5- Disposal Information**  
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Respiratory Protection: None required under normal processing conditions.  
Ventilation: Local exhaust ventilation (minimum 150 ft/min) at processing equipment.  
Protection Gloves: When pellets, molting polymer or equipment is hot.  
Eye Protection: Safety glasses with side shields. Protection Equipment Eye wash facility.

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**Section 6- Transportation Information**  
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US.DOT: Not regulated.

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**Section 7- Physical and Chemical Data**  
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Physical State:	Solid	Color & Appearance:	Pinkish Fines
Boiling Point(Fdeg.):	N/A	Melting Point:	N/A
Specific Gravity(H <sub>2</sub> O=1):	1.18-1.19	Vapor Pressure (MM I):	N/A
% Volatile by Volume:	0	Vapor Density (Air=1):	N/A
Evaporation Rate:	Nil	Solubility in Water:	Nil
Residual Monomers:	<0.5%	Odor:	Faint odor
PH:	N/A		

\*This product does not exhibit a sharp melting point, but soften gradually over a wide temperature.

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**Section 8- Fire and Explosive Hazard Data**  
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Flash Point (ATM D-1929):	Flash ignition approx.580deg.F.
Flammable Limits:	N/A
Extinguish Media:	Carbon Dioxide, water, dry chemical.
Special Fire Fighting Procedures:	Wear MSH/NIOSH approved self- contained breathing air.
Unusual Fire and Explosive Hazard:	Combustible, burns vigorously with intense heat.
Self Ignition (ASTM D-1929):	860 deg.F

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**Section 9- Health Hazard Data**  
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Threshold Limit Value not established or polymer. For MMA, 100 ppm. For EA, 50 ppm.

**Potential Health Effect:**

Processing: During melting processing, molten plastic can cause severe thermal burn.  
Inhalation: Monomer vapor from heated product may cause irritation to nose, throat, and lungs, develop dizziness, headache, and nausea  
Eye Contact: Monomer vapor from heated product may cause irritation to eye.

**Section 10- Regulatory Information**  
**ACRY- FREE**

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Handling and Storing: Storage dry at ambient temperature. Keep contained closed to prevent moisture absorption and contamination.

This product is considered hazardous under OSHA Hazard Communication Standard (29CFR 1910) due to the potential for overexposure to methyl methacrylate monomer vapor which may be generated during melt process.

This product is not controlled product under Canadian Workplace Hazardous Materials Information System (WHMIS).

All components in the product are listed or excluded from the listing on the U.S Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**Abbreviations:**

OSHA	=	Occupational Safety and Health Administration
PEL	=	Permissible Exposure Limit
ACGIH	=	American Conference of Government Industrial Hygienists
TLV	=	Threshold Limit Value
N/A	=	Not Applicable

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**NOTICE**

All information, recommendations and suggestions appearing herein concerning the product are based upon data obtained from the manufacturer and/ or recognized technical sources; however, PERFLEX LTD makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PREFLEX LTD. As to the effects of such use, PERFLEX LTD does not assume any liability arising out of use by others of the products referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.