

### SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

**Material/Trade Name:** **Elastoseal**  
**Material Type:** All Purpose Rubber-based sealant  
**Company:** Republic Chemical Industries, Inc.  
**Address:** 731 Aurora Boulevard, Quezon City, 1112 Philippines  
**Telephone:** +63 2 721 5781 to 86  
**Fax:** +63 2 727 5095  
**Website:** [www.repchem.com](http://www.repchem.com)

### SECTION 2: HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Flammability	Category 2
	Skin Corrosion/Irritation:	Category 3
	Sensitization – Skin:	Category 1
	Reproductive Toxicity:	Category 2
	STOT – Single Exposure:	Category 3
	STOT – Repeated Exposure:	Category 2
	Aspiration Hazard:	Category 1

#### Hazard Symbol/ Signal Word:



**DANGER**

#### Hazard Statement:

Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Suspected of damaging the unborn child.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enter airways.

#### Precautionary Statement:

##### Prevention:

Keep away from heat/sparks/open flame/hot surfaces. – No smoking.  
Keep container tightly closed.  
Do not breathe fume/gas/vapors.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/clothing eye/face protection.  
Use personal protective equipment as required.

##### Response:

IF SWALLOWED: Immediately call a doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF exposed or concerned: Get medical attention.  
If skin irritation or rash occurs: Get medical attention.



# MATERIAL SAFETY DATA SHEET

## Elastoseal

MSDS No: 006  
VERSION: 006-02  
VERSION DATE: 09/22/11  
SUPERSEDES: 10/22/10

### SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Identity	CAS no.	Concentration (%)
Methylbenzene	108-88-3	8 – 10%
Dimethyl Benzene	1330-20-7	8 – 10%
Ethyl Acetate	141-78-6	1 – 2%
Mercaptopropyltrimethoxysilane	4420-74-0	0.2 – 0.5%

### SECTION 4: FIRST AID MEASURES

<b>Eye:</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>Skin:</b>	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.
<b>Inhalation:</b>	Removed to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion:</b>	Aspiration hazard. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

### SECTION 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	60°C Closed Cup.
<b>Autoignition temperature:</b>	Not available
<b>Extinguishing Media:</b>	Water spray, foam, dry chemical or carbon dioxide.
<b>Special Fire fighting Procedure:</b>	Fire fighters should wear self-contained breathing apparatus.
<b>Unusual Fire/Explosion Hazards:</b>	Above flash point, vapor-air mixtures are explosive within flammable limits noted in section 9. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. Sensitive to static discharge
<b>Hazardous thermal</b>	This material may produce a floating fire hazard.
<b>Decomposition Products:</b>	

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Remove all sources of ignition.  
Wear appropriate personal protective equipment as specified in Section 8.  
Isolate hazard area. Keep unnecessary and unprotected personnel from entering.  
Contain and recover liquid when possible. Use non-sparking tools and equipment.  
Collect liquid in an appropriate container or absorb with an inert material (dry sand, earth), and place in a chemical waste container.  
Do not use combustible materials, such as saw dust.  
Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

### SECTION 7: HANDLING AND STORAGE

Store in a well-ventilated place. Keep cool.  
Keep container tightly closed.  
Store locked up.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye/Face Protection:</b>	Safety goggles/glasses suitable for use with chemicals.
<b>Respiratory Protection:</b>	Always use appropriate Filter Mask/respirator (NIOSH/MSHA Approved).
<b>Skin Protection:</b>	Nitrile/polyethylene gloves, coveralls, avoid cotton products.
<b>Ventilation:</b>	Good general or local exhaust ventilation is required for usage.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Paste	<b>Oxidizing Properties:</b>	Not available
<b>Color:</b>	Gray	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Solvent-like	<b>Vapor Density:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Relative Density:</b>	1.35 – 1.38
<b>Boiling Point:</b>	Not available	<b>Solubility in Water:</b>	Fully miscible
<b>Melting Point:</b>	Not available	<b>Partition Coefficient:</b>	Not available
<b>Flash Point:</b>	60°C	<b>Auto-ignition Temperature:</b>	Not available
<b>Evaporation Rate:</b>	Not available	<b>Decomposition Temperature:</b>	Not available
<b>Flammability:</b>	Not available	<b>Viscosity:</b>	Thixotropic
<b>Explosion Limits:</b>	Not available		

### SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Hazard Polymerization:</b>	Will not occur.
<b>Incompatibility:</b>	Concentrated nitric acid and sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide and carbon monoxide may form when heated to decomposition.
<b>Conditions to Avoid:</b>	Heat, flames, ignition sources and incompatibles.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available on the product itself.

**Methyl Benzene:**

<b>Oral:</b>	LD50(rat): 5,000 mg/Kg
<b>Dermal:</b>	LD50(rabbit): 12,124 mg/Kg
<b>Inhalation:</b>	LC50 (mouse)4H: 5,320 mg/L

**Dimethyl Benzene:**

<b>Oral:</b>	LD50(rat): 5,000 mg/Kg
<b>Dermal:</b>	LD50(rabbit): 14,100 mg/Kg

**Ethyl Acetate:**

<b>Oral:</b>	LD50(rat): 5,620 mg/Kg
<b>Inhalation:</b>	LC50 (rat)4H: 1,600 mg/L

**Mercaptopropyltrimethoxysilane:**

<b>Oral:</b>	LD50(rat): 636 mg/Kg
<b>Dermal:</b>	LD50(rabbit): 12,124 mg/Kg

<b>Corrosivity/Irritation:</b>	Irritating to skin.
<b>STOT – Single Exposure:</b>	Single exposure may cause drowsiness or dizziness.
<b>STOT – Repeated Exposure:</b>	Repeated exposure may cause damage to organs.
<b>Mutagenicity:</b>	No adverse results reported.
<b>Carcinogenicity:</b>	No adverse results reported.
<b>Reproductive Toxicity:</b>	Possible risk of harm to the unborn child.

### SECTION 12: ECOLOGICAL INFORMATION

No available data on the product itself.



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### SECTION 13: DISPOSAL CONSIDERATIONS

Must not be disposed together with household garbage.  
Do not discharge into drains or watercourses.  
Disposal must be made according to official regulations.

### SECTION 14: TRANSPORTATION INFORMATION

IATA-DGR UN 1133 Adhesive Containing Flammable Liquid, 3, III  
IMDG UN 1133 Adhesive Containing Flammable Liquid, 3, III

### SECTION 15: REGULATORY INFORMATION

#### Chemical Inventory:

PICCS (Philippines): Listed  
EINECS (EU): Listed  
KECI (KR): Listed  
TSCA (US): Listed  
DSL (CN): Listed  
ENCS (JP): Listed

### SECTION 16: OTHER INFORMATION

*The information contained in this MSDS is based on our present knowledge. It was obtained from a variety of sources and is believed to be accurate and current at the stated version date. This data is provided without warranty for the use of this information, application or processing described in this MSDS. Users should note the possibility of hazards occurring due to improper use of the product.*

**Department issuing MSDS:** Research and Development Department  
**Contact:** Marketing Department

#### ABBREVIATIONS AND ACRONYMS:

PICCS – PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES  
EINECS – EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES  
KECI – KOREAN EXISTING CHEMICALS LIST  
TSCA – TOXIC SUBSTANCES CONTROL ACT  
DSL – DOMESTIC SUBSTANCES LIST  
ENCS – JAPANESE EXISTING AND NEW CHEMICALS SUBSTANCES