

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Material/Trade Name: **Mighty Gasket Red**
Material Type: Silicone 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

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:	Flammability	Category – Not classified
	Acute Toxicity – Oral:	Category 5
	Acute Toxicity – Dermal:	Category 5
	Skin Corrosion:	Category – Not classified
	Skin Irritation:	Category 2
	Serious Eye Damage/Eye Irritation:	Category 2B
	Sensitization – Respiratory	Category – Not classified
	Sensitization – Skin:	Category 1
	STOT – Single Exposure:	Category – Not classified
	STOT – Repeated Exposure:	Category – Not classified
	Aspiration Hazard:	Category – Classification not possible
	Aquatic Toxicity - Acute:	Category – Classification not possible

Hazard Symbol/ Signal Word:



DANGER

Hazard Statement:

Combustible liquid.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergic or asthmatic or breathing difficulties if inhaled.
May cause allergic skin reaction.
May cause respiratory irritation.
May be fatal if swallowed and enter airways.

Precautionary Statement:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Avoid breathing vapors.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective clothing/gloves, eye/face protection.



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In case of inadequate ventilation wear respiratory protection.

Response:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Identity	CAS No.	Concentration (%)
Methylacetoxysilane	4253-34-3	1 – 5%
Ethyltriacetoxysilane	17689-77-9	1 – 5%
Silica, amorphous	7631-86-9	10%

SECTION 4: FIRST AID MEASURES

Eye: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.

Inhalation: 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.

Ingestion: If swallowed, do not induce vomiting. Call a physician immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >61°C Closed Cup.

Autoignition temperature: Not available

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide.

Special Fire fighting Procedure: Fire fighters should wear self-contained breathing apparatus.

Unusual Fire/Explosion Hazards:

Hazardous thermal

Decomposition Products: By high heat and fire: oxides of carbon, oxides of nitrogen, and hydrogen chloride

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.

Outside or detached storage is preferred.



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Separate from incompatibles.
Containers should be bonded and grounded for transfers to avoid static sparks.
Storage and use areas should be *No Smoking areas*.
Use non-sparking type tools and equipment, including explosion proof ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Thixotropic paste	Oxidizing Properties:	Not available
Color:	Red	Vapor Pressure:	Not available
Odor:	Acetic odor	Vapor Density:	Not available
Odor Threshold:	Not available	Relative Density:	1.01 – 1.04
Boiling Point:	Not available	Solubility in Water:	Immiscible
Melting Point:	Not available	Partition Coefficient:	Not available
Flash Point:	184°C	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not Available	Decomposition Temperature:	Not available
Flammability:	Not available	Viscosity:	Not available
Explosion Limits:	Not available		

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral: No data available on the product itself.
Dermal: No data available on the product itself.
Inhalation: LC50 (rat) 370 mg/m³, 4 hours. (*Diphenylmethane-4,4'-Diisocyanate*)
Skin Corrosion/Irritation: May cause irritation to skin.
Eye Damage/Eye Irritation: May cause irritation to eyes, will cause eye discomfort, but will not injure eye tissue.
Respiratory/Skin Sensitization: May cause sensitization by inhalation and skin contact.
STOT – Single Exposure: May cause respiratory irritation.
STOT – Repeated Exposure: No data available.
Mutagenicity: No heritable genetic damage.
Carcinogenicity: No carcinogenic effect.
Reproductive Toxicity: No risk of impaired fertility.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No ecological studies have been carried out with this product.



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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: Not regulated
IMDG: Not regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventories:

PICCS (Philippines): *All components are listed or exempted.*
EINECS (EU): *All components are listed or exempted.*
KECI (KR): *All components are listed or exempted.*
TSCA (US): *All components are listed or exempted.*
DSL (CN): *All components are listed or exempted.*
ENCS (JP): *All components are listed or exempted.*

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