

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name GASKET MAKER (RED), M/M
Recommended Use Sealant
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 5167
Chemical Nature Siliconé elastomer
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning
 Severe skin irritation
 Severe eye irritation
 May cause irritation of respiratory tract
 Harmful if swallowed

Color Red
Potential Health Effects
Principle Route of Exposure
Primary Routes of Entry
Acute Effects

Physical State Liquid
 Eye contact, Inhalation, Skin contact.
 None known.

Odor Vinegar-like

Eyes
Skin
Inhalation
Ingestion
Chronic Toxicity
Target Organ Effects
Aggravated Medical Conditions
Potential Environmental Effects

Severe irritation.
 Severe irritation.
 May cause irritation of respiratory tract.
 Irritating to mouth, throat, and stomach.
 Prolonged or repeated inhalation may cause damage to the lungs, Prolonged skin contact may defat the skin and produce dermatitis.
 Respiratory system, Eyes, Skin.
 Skin disorders, Respiratory disorders.
 See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No |
|--|------------|
| Petroleum distillates, hydrotreated middle | 64742-46-7 |
| Ethyltriacetoxysilane | 17689-77-9 |
| Methyltriacetoxysilane | 4253-34-3 |
| Silicon dioxide - hydrated | 7631-86-9 |
| Hydroxyl-terminated polydimethylsiloxane | 70131-67-8 |

4. FIRST AID MEASURES

General Advice Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to Physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point >200°F/>93°C
Autoignition Temperature No information available.
Flammability Limits in Air % No information available.
Suitable Extinguishing Media Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards Arising from the Chemical Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

| | | | |
|-------------|-----------------|-----------------------|----------------------|
| NFPA | Health 2 | Flammability 1 | Instability 0 |
| HMIS | Health 2 | Flammability 1 | Instability 0 |

Method Seta closed cup

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a

Methods for Cleaning Up
Neutralizing Agent

container for disposal according to local / national regulations (see section 13).
Pick up and transfer to properly labeled containers.
Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature

Minimum 0°F/-18°C

Maximum 120°F/49°C

Storage Conditions

Indoor X Outdoor

Heated

Refrigerated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|--|---------------------|---------------------|---|
| Petroleum distillates, hydrotreated middle | 5 mg/m ³ | 5 mg/m ³ | No data available |
| Ethyltriacetoxysilane | No data available | No data available | No data available |
| Methyltriacetoxysilane | No data available | No data available | No data available |
| Silicon dioxide - hydrated | No data available | No data available | IDLH: 3000 mg/m ³ TWA: 6 mg/m ³ |
| Hydroxyl-terminated polydimethylsiloxane | No data available | No data available | No data available |

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------|----------------|------------------|----------------------|
| Physical State | Liquid | Viscosity | Semi-viscous |
| Color | Red | Odor | Vinagar-like |
| Appearance | Opaque | pH | Not applicable |
| Specific Gravity | 1.04 | Evaporation Rate | <1 (Butyl acetate=1) |
| Percent Volatile (Volume) | 3 | VOC Content (%) | 3 |
| VOC Content (g/l) | 32 | Vapor Pressure | <0.01 mmHg @ 70 °F |
| Vapor Density | Not applicable | Solubility | Negligible |
| Boiling Point/Range | >200°F/93°C | | |

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Keep away from open flames, hot surfaces, and sources of ignition.

Incompatible Products

Strong oxidizing agents

Hazardous Decomposition Products

Carbon oxides, Sulfur oxides, Formaldehyde.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Acute toxicity

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|--|--------------------|-----------------------|----------------------|-------------------|-------------------|
| Petroleum distillates, hydrotreated middle | 7400 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 4.6 mg/L (Rat) 4 h | no data available | no data available |
| Ethyltriacetoxysilane | no data available | no data available | no data available | no data available | no data available |
| Methyltriacetoxysilane | 2060 mg/kg (Rat) | no data available | no data available | no data available | no data available |
| Silicon dioxide - hydrated | 5000 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 2.2 mg/L (Rat) 1 h | no data available | no data available |
| Hydroxyl-terminated polydimethylsiloxane | no data available | no data available | no data available | no data available | no data available |

Chronic Toxicity

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|--|-------------------|-------------------|------------------------|-----------------------|--------------------------|
| Petroleum distillates, hydrotreated middle | no data available | no data available | no data available | no data available | respiratory system |
| Ethyltriacetoxysilane | no data available | no data available | no data available | no data available | no data available |
| Methyltriacetoxysilane | no data available | no data available | no data available | no data available | no data available |
| Silicon dioxide - hydrated | no data available | no data available | no data available | no data available | respiratory system, eyes |
| Hydroxyl-terminated polydimethylsiloxane | no data available | no data available | no data available | no data available | no data available |

Carcinogenicity

| Component | ACGIH | IARC | NTP | OSHA | Other |
|--|----------------|----------------|----------------|----------------|----------------|
| Petroleum distillates, hydrotreated middle | not applicable | not applicable | not applicable | not applicable | not applicable |
| Ethyltriacetoxysilane | not applicable | not applicable | not applicable | not applicable | not applicable |
| Methyltriacetoxysilane | not applicable | not applicable | not applicable | not applicable | not applicable |
| Silicon dioxide - hydrated | not applicable | not applicable | not applicable | not applicable | not applicable |

| | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|
| Hydroxyl-terminated polydimethylsiloxane | not applicable | not applicable | not applicable | not applicable | not applicable |
|--|----------------|----------------|----------------|----------------|----------------|

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|--|---|---|-------------------|--|---------|
| Petroleum distillates, hydrotreated middle | no data available | 96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas:>10000 mg/L [static] | no data available | no data available | N/A |
| Ethyltriacetoxysilane | no data available | no data available | no data available | no data available | N/A |
| Methyltriacetoxysilane | no data available | no data available | no data available | no data available | N/A |
| Silicon dioxide - hydrated | 72 Hr EC50 Selenastrum capricomutum: 440 mg/L | 96 Hr LC50 Brachydanio rerio: 5000 mg/L [static] | no data available | 48 Hr EC50 Ceriodaphnia dubia: 7600 mg/L | N/A |
| Hydroxyl-terminated polydimethylsiloxane | no data available | no data available | no data available | no data available | N/A |

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Consumer Commodity
Hazard Class ORM-D
Description Consumer Commodity, ORM-D

IDG
Proper shipping name Aerosols, Flammable
Hazard Class 2.1
UN-No UN1950
Description UN1950, Aerosols, Flammable, 2.1, LTD QTY

CAO
UN-No UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Shipping Description UN1950, Aerosols, Flammable, 2.1, LTD QTY

ATA
UN-No UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Shipping Description UN1950, Aerosols, Flammable, 2.1, LTD QTY

MDG/IMO
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
UN-No UN1950
Shipping Description UN1950, Aerosols, Flammable, 2.1, LTD QTY

15. REGULATORY INFORMATION

inventories
SCA Complies
SL Complies

U.S. Federal Regulations
ARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

ARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes | Yes | No | No | No |

ERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|--|--------------------------|----------------|
| Petroleum distillates, hydrotreated middle | Not applicable | Not applicable |
| Ethyltriacetoxysilane | Not applicable | Not applicable |
| Methyltriacetoxysilane | Not applicable | Not applicable |

| | | |
|--|----------------|----------------|
| Silicon dioxide - hydrated | Not applicable | Not applicable |
| Hydroxyl-terminated polydimethylsiloxane | Not applicable | Not applicable |

**J.S. State Regulations
California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16 OTHER INFORMATION

| | |
|---------------------|---------------------------|
| Prepared By | Kristen Stansbury |
| Supersedes Date | 05/08/2007 |
| Issuing Date | 08/28/2009 |
| Reason for Revision | No information available. |
| Glossary | No information available. |
| List of References. | No information available. |

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