



SAFETY DATA SHEET

Issue Date 04-Feb-2013

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Duraguard Kitchen & Bath Caulk

Other Means of Identification

SDS # RD-0018

Product Code 0408, 0445, 0869 Series

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Aqueous Clear Sealant w/ Silicone (applies white, dries clear within 2 weeks).

Details of the Supplier of the Safety Data Sheet

Supplier Address

Red Devil, Inc.
4175 Webb Street
Pryor, Oklahoma 74361
www.reddevil.com

Emergency Telephone Number

Company Phone Number 918-825-5744

Fax: 918-825-5761

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance White when applied, paste

Physical State Smooth paste

Odor Mild acrylic, Slight ammoniacal odor

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|----------------------------|-------------|----------|
| Acrylic Emulsion | MIXTURE | <95 |
| Acrylic Thickener | MIXTURE | <5 |
| Non-hazardous Ingredients* | Proprietary | <5 |
| Propylene Glycol | 57-55-6 | <1.25 |
| Ammonium Hydroxide | 7664-41-7 | <0.25 |
| Petroleum Hydrocarbon | 64742-48-9 | <0.50 |

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES

First Aid Measures

| | |
|-----------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Inhalation | Remove to fresh air. If breathing difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention. |
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice. |
| Ingestion | Do not induce vomiting, unless directed by medical personnel. Get immediate medical attention. If vomiting occurs, keep head low so that stomach content does not get into the lungs. |
| Skin Contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persists, seek medical attention. |

Most Important Symptoms and Effects, both Acute and Delayed

| | |
|-----------------|--|
| Symptoms | Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness and discomfort. Irritating to mouth, throat, and stomach if ingested. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing. |
|-----------------|--|

Indication of any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|---|
| Note to Physicians | Provide general supportive measures and treat symptomatically. May aggravate pre-existing skin disorders. |
|---------------------------|---|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Water spray (fog). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame.

Hazardous Combustion Products Carbon, titanium & iron oxides, depending upon formulation.

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. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For Emergency Responders Restrict access to spill area.

Environmental Precautions Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill.

Methods for Cleaning Up Sweep up absorbed material and shovel into suitable containers for disposal. Wash area with soap and water. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Avoid breathing vapors. Use only with adequate ventilation. Open windows & doors to ensure fresh air cross-ventilation during application and curing. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. While handling product keep out of reach of childrens and pets.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120 ° F. To maximize shelf life, store @ temperatures below 26C (80F).

Incompatible Materials Oxidizers. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Exposure guidelines / protective equipment are for routine handling and accidental spills

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------------|-----------------------------|--|---|
| Ammonium Hydroxide 7664-41-7 | STEL: 35 ppm TWA: 25 ppm | TWA: 50 ppm TWA: 35 mg/m ³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m ³ | IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m ³ STEL: 35 ppm STEL: 27 mg/m ³ |

Appropriate Engineering Controls

Engineering Controls Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

Individual Protection Measures, such as Personal Protective Equipment

| | |
|---------------------------------------|--|
| Eye/Face Protection | Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations & standards. |
| Skin and Body Protection | <p>Skin: Wear chemical impervious gloves (eg: Nitrile or Neoprene). Use triple gloves for spill response. If necessary, refer to appropriate regulations & standards.</p> <p>Body: Use protection appropriate for task (eg: lab coat, coveralls, Tyvek suit). If necessary, refer to OSHA Technical Manual (Sec. VII: Personal Protective Equipment) or appropriate Standards of Canada. Use foot protection, as described in appropriate regulations & standards.</p> |
| Respiratory Protection | If mists or sprays are created, use appropriate respiratory protection. Oxygen levels below 19.5% considered IDLH by OSHA. In such instances, use full-facepiece pressure demand SCBA or a full facepiece, supplied air respirator w/ auxillary self-contained air supply. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties**

| | | | |
|-----------------------|--|-----------------------|--------------------------------------|
| Physical State | Smooth paste | Odor | Mild acrylic, Slight ammoniacal odor |
| Appearance | White when applied, paste | Odor Threshold | Not determined |
| Color | White when applied, dries clear <2 weeks | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--------------------------------|-------------------------|
| pH | 7.0-10.0 | |
| Melting Point/Freezing Point | < 0 °C / <32 °F | |
| Boiling Point/Boiling Range | ~98.88-104.44 °C / ~210-220 °F | |
| Flash Point | > 93.33 °C / > 200 °F | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Unknown | |
| Lower Flammability Limit | Unknown | |
| Vapor Pressure | Not established | |
| Vapor Density | Heavier than air | |
| Specific Gravity | ~1.04-1.08 | @ 25 °C (77 °F) |
| Water Solubility | Soluble in water | |
| Solubility in Other Solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Autoignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |
| VOC Content (%) | <0.5 | |
| VOC Content | < 10 g/L | |

10. STABILITY AND REACTIVITY**Reactivity**

Cures upon contact with air.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.**Conditions to Avoid**

Incompatible Materials. Excessive heat or cold.

Incompatible Materials

Oxidizers. Strong acids.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure****Product Information**

Inhalation Mildly irritating to respiratory tract.

Eye Contact May cause temporary irritation on eye contact.

Skin Contact Prolonged and frequent contact may cause redness and irritation. Repeated skin contact may cause dermatitis.

Ingestion May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------------|-----------------------|--------------------------|--|
| Propylene Glycol 57-55-6 | = 20000 mg/kg (Rat) | = 20800 mg/kg (Rabbit) | - |
| Ammonium Hydroxide 7664-41-7 | = 350 mg/kg (Rat) | - | = 5.1 mg/L (Rat) 1 h = 2000 ppm (Rat) 4 h |
| Petroleum Hydrocarbon 64742-48-9 | > 5000 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | - |

Information on Physical, Chemical and Toxicological Effects**Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure****Sensitization** Not known to be human skin or respiratory sensitizers.**Carcinogenicity** Trace residual Formaldehyde present in base emulsion viewed as possible cancer hazard.**Numerical Measures of Toxicity**

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

PRACTICES SHOULD BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Product not tested for aquatic or animal toxicity. Release of product to terrestrial, atmospheric & aquatic environments should be avoided.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-------------------------------------|---|--|----------------------------|--|
| Propylene Glycol 57-55-6 | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 | | 10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static |
| Ammonium Hydroxide 7664-41-7 | | 0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static | | 25.4: 48 h Daphnia magna mg/L LC50 |
| Petroleum Hydrocarbon 64742-48-9 | | 2200: 96 h Pimephales promelas mg/L LC50 | | 2.6: 96 h Chaetogammarus marinus mg/L LC50 |

Persistence and Degradability

Not tested for persistence & biodegradability

Bioaccumulation

Not tested for bio-accumulation potential

Mobility

Not tested for mobility in soil

| Chemical Name | Partition Coefficient |
|---------------------------------|-----------------------|
| Ammonium Hydroxide 7664-41-7 | -1.14 |

Other Adverse Effects

Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways & spills)

Ozone

Not expected to produce any ozone depletion

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Not applicable.

14. TRANSPORT INFORMATION

| | |
|-------------|---|
| Note | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |

15. REGULATORY INFORMATION

International Inventories

Not Determined

| | |
|-------------|--------|
| TSCA | Listed |
| DSL | Listed |
| NDSL | Listed |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Not determined

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--------------------------------|-----------|----------|-------------------------------|
| Ammonium Hydroxide - 7664-41-7 | 7664-41-7 | <0.25 | 1.0 |

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ammonium Hydroxide 7664-41-7 | 100 lb | | | X |

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|----------------|---|
| Ammonium Hydroxide 7664-41-7 | 100 lb | 100 lb | RQ 100 lb final RQ RQ 45.4 kg final RQ |

US State Regulations

U.S. State Right-to-Know Regulations

Not Determined

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| | | | |

| | | | |
|---------------------------------|---|---|---|
| Propylene Glycol 57-55-6 | X | | X |
| Ammonium Hydroxide 7664-41-7 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <u>NFPA</u> | Health Hazards | Flammability | Instability | Special Hazards |
| | 1 | 1 | 0 | Not determined |
| <u>HMIS</u> | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 1 | 1 | 0 | Not determined |

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Revision Note New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet