Material Safety Data Sheet

SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

 PRODUCT NAME: Butyl Rubber Sealant – Fed Spec Compliant
 MANUFACTURER'S NAME & TELEPHONE NUMBER: Red Devil, Inc. 918-825-5744
 STREET ADDRESS: 4175 Webb Street
 CITY / STATE / ZIP: Pryor, Oklahoma 74361

SECTION 2 – COMPOSITION / HAZARDOUS INGREDIENTS

PRODUCT CONSISTS OF:

- Petroleum Distillate (64742-48-9) < 5 100 NE ppm
- Calcium Carbonate ** (1317-65-3) < 60 10 15 mg/m³
- Titanium Dioxide ** (13463-67-7) < 2.5 10 15 mg/m³

Non-hazardous ingredients*  < 40 NA NA

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).
**Inhalation of particulates unlikely due to product’s physical state.
Calculated VOC: < 17%/wt. (< 200 g/L). CARB Compliance: No. Prop 65 Ingredients: Yes (Section 16).

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion

EMERGENCY OVERVIEW: Danger. Combustible liquid & vapor. Harmful or fatal if swallowed.

EFFECTS OF OVEREXPOSURE:

- Eye Contact: May cause eye irritation. Skin Contact: May cause skin irritation. Prolonged or repeated contact can result in defatting & drying of the skin which can result in skin irritation & dermatitis (skin rash). Can be absorbed through skin. Inhalation: Vapor harmful if inhaled. Vapor may irritate nose & upper respiratory tract. Inhaled vapor may affect brain or nervous system resulting in dizziness, headache or nausea. Prolonged vapor inhalation may result in severe physical injury. Ingestion: Material may be harmful or fatal if swallowed. If ingested, product may cause vomiting, diarrhea & depressed respiration. Chronic Hazards: Reports have associated permanent brain & nervous system damage w/ prolonged & repeated occupational overexposure to solvents. Symptoms include: loss of memory, loss of intellectual ability & loss of coordination.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT: Wash w/ soap & water for @ least 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.

EYE CONTACT: Immediately flush w/ large quantities of water for @ least 15 minutes until irritation subsides. Get medical attention.

INHALATION: Remove to fresh air.

INGESTION: Do not induce vomiting. Get medical attention.
SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE  ☒ Yes ☐ No

EXTINGUISHING MEDIA  Carbon Dioxide, Dry Chemical, Foam

FLASHPOINT (°F) & METHOD  Approx. 120°F (Setaflash Closed Cup)

UPPER EXPLOSIVE LIMIT (% BY VOLUME)  NE

LOWER EXPLOSIVE LIMIT (% BY VOLUME)  NE

AUTOIGNITION TEMPERATURE (°F)  NE; NFPA Flammability Class: II

CONTAINERS May explode if exposed to extreme heat. Eliminate source of ignition: heat, electrical equipment, sparks & flames. Do not put in contact w/ oxidizing or caustic materials.

SPECIAL FIREFIGHTING PROCEDURES  Full protective equipment, including self-contained breathing apparatus, is suggested to protect from combustion products. Cool exposed containers w/ water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PROCEDURES  Dike spill area. Absorb remaining liquid w/ absorbent material & place into appropriate containers.

SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES & EQUIPMENT  Keep out of reach of children & pets. Avoid eye & skin contact. Avoid breathing vapors. Use only in well ventilated area.

STORAGE REQUIREMENTS  Store away from caustics & oxidizers. Protect from heat, sparks & flames. Keep containers tightly closed when not in use. Protect containers from excessive heat & freezing. Do not store @ temperatures above 120°F. Intentional misuse by deliberately concentrating & inhaling vapors may be harmful or fatal. Do not take internally.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY  Engineering Controls: Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure within guidelines. Vapors are heavier than air & will collect in low areas (basements, etc). Check all low areas before entering. If exposure exceeded, use an approved NIOSH respirator.

EYEWEAR  Goggles or safety glasses w/ side shields.

CLOTHING / GLOVES  Solvent impervious gloves. Readily accessible eyewash, as well as solvent impervious apron if contact may occur.

HYgienic PRACTICES  Remove & wash contaminated clothing before re-use. Wash hands before breaks & @ end of workday.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE  Paste

ODOR & APPEARANCE  Petroleum odor, colored paste

SPECIFIC GRAVITY  Approximately 1.4 to 1.5

VAPOR DENSITY (AIR=1)  Heavier than air

EVAPORATION RATE  Faster than butyl acetate

BOILING RANGE (°F)  Approximately 300 to 325°F

pH  NE

SOLUBILITY IN WATER  Negligible

VAPOR PRESSURE (MM Hg)  NE

% WT VOLATILE (TV)  NE

SECTION 10 – STABILITY AND REACTIVITY

STABILITY  ☒ Yes ☐ No

Stable under normal conditions.

INCOMPATABILITY  ☒ Yes ☐ No

Strong oxidizers & caustics.

CONDITIONS TO AVOID  Excessive heat & freezing.

HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS  Hazardous polymerization will not occur under normal conditions. Normal decomposition products, ie: COx, NOx.
SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

<table>
<thead>
<tr>
<th>Source</th>
<th>Information</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>Calcium Carbonate filler contains Crystalline Silica.</td>
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<tr>
<td>OSHA</td>
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<tr>
<td>IARC</td>
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<td>NTP</td>
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DATA WITH POSSIBLE RELEVANCE TO HUMANS

Crystalline Silica known to the State of California to cause cancer.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY

No product information is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Dispose of material in accordance with Federal, State & Local regulations. Discarded material should be incinerated at permitted facility. Do not reuse empty container. State & Local Regulations may differ from Federal.

If discarded (40 CFR 261): None.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION

DOT Proper Shipping Name: Ship as a combustible liquid in accordance with 49 CFR 173.150 (f) (2) * DOT Hazard Class: NA *. DOT UN/NA Number: None *. Packing Group: None *. * = when transported domestically by ground. When shipped by other modes of transportation this product is considered a flammable liquid.

SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY


SARA 313

None reportable.

U.S. STATE REGS

See Section 16.

TSCA

None reportable.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

Prop 65 Ingredients: (Known to State of California to cause cancer) Silica, crystalline (present in Calcium Carbonate Filler). Non-white colors may contain carbon black in color dispersion. NJ Right-to-Know: (Top 5 Ingredients): Butyl Rubber Solution (mixture), Calcium Carbonate (1317-65-3), Petroleum Distillate (64742-48-9), Titanium Dioxide (13463-67-7), (Contents partially unknown). Pennsylvania Right-to-Know (Non-Haz @ >3%): Contents partially unknown. Ingredients Known to State of California to cause birth defects or reproductive harm: None. HMIS Ratings: Health: 2, Flammability: 2, Reactivity: 0. Canadian WHMIS Class: No information available. Titanium Dioxide added to Massachusetts Right to Know List, Minnesota Hazardous Substance List, New Jersey Right to Know List, Pennsylvania Right to Know List & Rhode Island Hazardous Substance List. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.


Reviewed By: Larry G. Brandon VP Technology & General Manager February 18, 2010

The information contained herein has been developed based upon currently available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.