SECTION 1 – PRODUCT NAME & MANUFACTURER INFORMATION

**PRODUCT NAME**
Garage & Driveway Cleaner – Off-White to Light-Gray Powder

**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

<table>
<thead>
<tr>
<th>PRODUCT CONSISTS OF:</th>
<th>%</th>
<th>TLV</th>
<th>PEL</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate, Pentahydrate (6834-92-0)</td>
<td>&lt;70</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Sodium Pyrophosphate (7722-88-5)</td>
<td>&lt;2</td>
<td>5</td>
<td>NE</td>
<td>mg/m3</td>
</tr>
<tr>
<td>Sodium Dodecylbenzenesulfonate (25255-30-0)</td>
<td>&lt;2</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol (57-55-6)</td>
<td>&lt;1</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>Non-hazardous ingredients*</td>
<td>&lt;25</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
</tbody>
</table>

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

Calculated VOC: <1%/wt, <10 g/L. CARB Compliance: Yes. Prop 65 Ingredients: None.

SECTION 3 – HAZARDS IDENTIFICATION

**PRIMARY ROUTE(S) OF ENTRY**
- Skin Contact
- Skin Absorption
- Eye Contact
- Inhalation
- Ingestion

**EMERGENCY OVERVIEW**
Off-white/light-gray, odorless, powder/granular powder. Corrosive to eyes, skin & digestive tract. Dust corrosive to respiratory tract. Due to high pH of product, release into surface water is harmful to aquatic life. Noncombustible. Reacts w/ acids & some organics.

**EFFECTS OF OVEREXPOSURE**
- **Eye Contact**: Corrosive, causes eye burns. **Skin Contact**: Corrosive, causes skin burns. **Inhalation**: Dust corrosive to respiratory tract. **Ingestion**: Corrosive, causes burns to mouth, esophagus & stomach. **Chronic Hazards**: None known. Not listed by NTP, IARC or OSHA as a carcinogen. **Physical Hazards**: Can etch glass if not promptly removed.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**
None known.

SECTION 4 – FIRST AID MEASURES

**SKIN CONTACT**
Immediately flush skin w/ plenty of water for @ least 15 minutes, while removing contaminated clothing & shoes. Seek medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**EYE CONTACT**
Immediately flush eyes w/ plenty of water for @ least 15 minutes. If easy to do, remove contact lenses, if worn. Seek medical attention immediately.

**INHALATION**
Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Seek medical attention.

**INGESTION**
DO NOT INDUCE VOMITING. Seek medical attention immediately. If person is fully conscious, give cupful of water. Never give anything by mouth to an unconscious person.
SECTION 5 – FIRE FIGHTING MEASURES

**FLAMMABLE**  
[ ] Yes  [x] No

**EXTINGUISHING MEDIA**  
Material compatible w/ all extinguishing media.

**FLASHPOINT (°F) & METHOD**  
Material noncombustible.

**UPPER EXPLOSIVE LIMIT (% BY VOLUME)**  
NA

**LOWER EXPLOSIVE LIMIT (% BY VOLUME)**  
NA

**AUTIGNITION TEMPERATURE (°F)**  
NA

**UNUSUAL FIRE & EXPLOSION HAZARDS**  
See Section 3 for information on hazards when material is present in area of a fire.

**SPECIAL FIREFIGHTING PROCEDURES**  
When material present in the area of a fire: chemical goggles, body-covering protective clothing, chemical resistant gloves & rubber boots.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PROCEDURES**  
NIOSH-approved respirator where dust occurs. Carefully shovel or sweep up spilled material & place in suitable container. Avoid generating dust. There is no CERCLA Reportable Quantity for this material. If spill goes off site, notification of State & Local authorities is recommended.

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SECTION 7 – HANDLING & STORAGE

**HANDLING PROCEDURES & EQUIPMENT**  
Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

**STORAGE REQUIREMENTS**  
Store @ temperatures below 150°F. Keep containers closed. Store in clean, tightly closed steel, fiber or plastic containers. Separate from acids, reactive metals & ammonium salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. Product can absorb water from the air. In high humidity or storage for extended periods, use plastic bags to enclose product containers to avoid caking.

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SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**RESPIRATORY**  
Use a NIOSH-approved dust respirator where dust occurs.

**EYEWEAR**  
Wear chemical goggles.

**CLOTHING / GLOVES**  
Wear body-covering protective clothing & gloves.

**HYGENIC PRACTICES**  
Take appropriate measures to prevent all contact. Wash thoroughly before breaks & after workday.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE**  
Granular powder

**ODOR & APPEARANCE**  
Odorless or musty odor. Gray-white powder.

**SPECIFIC GRAVITY**  
NE

**VAPOR DENSITY (AIR=1)**  
NE

**EVAPORATION RATE**  
NE

**BOILING RANGE (°F)**  
NE

**pH**  
> 12 (5% solution)

**SOLUBILITY IN WATER**  
Soluble.

**VAPOR PRESSURE (MM Hg)**  
NE

**%/WT VOLATILE (TNV)**  
NE

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SECTION 10 – STABILITY AND REACTIVITY

**STABILITY**  
[ ] Yes  [x] No  Material stable under conditions of normal use & storage.

**INCOMPATABILITY**  
[ ] Yes  [x] No  Generates heat when mixed w/ acid. May react w/ ammonium salt solutions resulting in ammonia gas. Flammable hydrogen gas may be produced on contact w/ aluminum, tin, lead & zinc. Carbon monoxide gas may result on contact w/ reducing sugars.

**CONDITIONS TO AVOID**  
None.

**HAZARDOUS POLYMERIZATION/HAZARDOUS DECOMPOSITION PRODUCTS**  
Hazardous decomposition products: Hydrogen.
SECTION 11 – TOXICOLOGICAL INFORMATION / CARCINOGENICITY

ACGIH
Not listed as a carcinogen. Toxicity has not been tested.

OSHA
Not listed as a carcinogen. Toxicity has not been tested.

IARC
Not listed as a carcinogen. Toxicity has not been tested.

NTP
Not listed as a carcinogen. Toxicity has not been tested.

DATA WITH POSSIBLE RELEVANCE TO HUMANS
Sodium Metasilicate, Pentahydrate is corrosive to eyes, skin & respiratory tract.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY
Due to high pH, release into surface water is harmful to aquatic life. Material sinks & dissolves in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Dispose in accordance w/ Local, State & Federal Regulations. Disposed dry/solid material is not classified as a RCRA Hazardous Waste. However, disposed water/wet solutions containing this material are classified as a RCRA Hazardous Waste, if they exhibit the corrosive characteristic (pH greater than or equal to 12.5) as defined by EPA.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION
DOT UN Status: A regulated hazardous material. UN Proper Shipping Name: Disodium Trioxosilicate, Pentahydrate. UN Hazard Class/Division: 8. UN Identification No.: UN3253. UN Packing Group: PG III.

SECTION 15 – REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY
No CERCLA Reportable Quantity has been established for this material. SARA Title III: Not an extremely hazardous substance under 302.

U.S. STATE REGS
See Section 16.

SARA 313
Not a toxic chemical under 313. Hazard categories under 311/312: Acute.

TSCA
All ingredients of this material listed on TSCA Inventory.

SECTION 16 – OTHER INFORMATION / SPECIAL PRECAUTIONS / LEGEND

FDA: The use of sodium metasilicate is authorized by FDA as a boiler water additive for the production of steam that will contact food pursuant to 21 CFR 173.310; & as a GRAS substance pursuant to 21 CFR 184.1769a for use in washing & lye peeling of fruits, vegetables & nuts; as a denuding agent for tripe; a hog scald agent in removing hair; & as a corrosion preventative in canned & bottled water. WARNING: This product contains Sodium Metasilicate, Pentahydrate. Material is corrosive to eyes, skin & respiratory tract. INTERNATIONAL EMERGENCY NUMBER: 352-323-3500


Reviewed By
Larry Brandon 
Vice President Technology & General Manager 
March 6, 2012

NAME TITLE DATE

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.