



SAFETY DATA SHEET

Issue Date 13-Dec-2012

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Industrial Grade Silicone – Acetoxy Cure – Clear, White & Colors

Other Means of Identification

SDS # RD-0080A

Product Code 0816/OI, 0826OI Series

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Silicone Sealant.

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

Skin corrosion/irritation

Category 2

Signal Word

Warning

Hazard Statements

Causes skin irritation



Appearance Clear/opaque or colored paste

Physical State Paste

Odor Acetic Acid Odor (Vinegar odor)

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water

If skin irritation persists: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Hazards Not Otherwise Classified (HNOC)

Not Applicable

Other Information

Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--------------------------------------|-------------|----------|
| Hydroxy-terminated Dimethyl siloxane | 70131-67-8 | >50 |
| Non-hazardous ingredients * | Proprietary | >10 |
| Amorphous silica (glass) | 7631-86-9 | <13 |
| Polydimethylsiloxane | 63148-62-9 | <10 |
| Methyltriacetoxysilane | 4253-34-3 | <6 |
| Titanium Dioxide | 13463-67-7 | <5 |
| Ethyltriacetoxysilane | 17689-77-9 | <6 |

* Unlisted ingredients are not considered hazardous under the OSHA GHS Hazard Communication Standard (29 CFR 1910.1200). (Methyltriacetoxysilane) Observe limits for acetic acid formed during curing on exposure to water or humid air. (Silica, amorphous; Titanium Dioxide) Inhalation of particulates unlikely due to product's physical state

4. FIRST AID MEASURES

First Aid Measures

General advice

Provide this SDS to medical personnel for treatment.

Inhalation

If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelid(s) open. Obtain medical attention.

Ingestion

Rinse mouth thoroughly with water. If irritation or discomfort occurs, obtain medical advice.

Skin Contact

No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Causes skin irritation. May cause nose, throat & respiratory tract irritation. Direct contact with eyes may cause temporary irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat according to person's condition & specifics of exposure.

6. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Small Fire Use carbon dioxide (CO₂), dry chemical or water spray.

Large Fire Use dry chemical, foam or water spray.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous combustion products Carbon oxides & traces of incompletely burned carbon compounds. Silicon dioxide.
Formaldehyde.

Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus & protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Observe all personal protection equipment recommendations described in Sections 5 & 8.

Environmental Precautions See Section 12 for additional ecological information.

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 Wipe up or scrape up & contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state & federal laws & regulations may apply to releases & disposal of this material as well as those materials & items employed in the cleanup of releases. You will need to determine which federal, state & local laws & regulations are applicable. Sections 13 & 15 of this MSDS provide information regarding certain federal & state requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Avoid contact with skin and eyes. Product evolves acetic acid (HOAc) when exposed to water or humid air.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container closed & store away from water or moisture.

Incompatible Materials Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section 8.

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 |
|---------------------------------------|---------------------------|---|--|
| Amorphous silica (glass) 7631-86-9 | - | (vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA | IDLH: 3000 mg/m ³ TWA: 6 mg/m ³ |
| Titanium Dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ |

Other Information Acetic acid is formed upon contact w/ water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm & ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

Appropriate Engineering Controls

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

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Safety glasses as a minimum for protection.

Skin and Body Protection Wear suitable protective clothing.

Respiratory Protection No special equipment needed.

General Hygiene Considerations Note: These precautions are for room temperature handling. Use @ elevated temperature or aerosol/spray applications may require added precautions. Handle in accordance with good industrial hygiene and safety practice. Wash @ mealtime & end of shift. Contaminated clothing & shoes should be removed as soon as practical & thoroughly cleaned before reuse.

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

| | | | |
|------------------------------|-------------------------------|-------------------------|---------------------------------|
| Physical State | Paste | Odor | Acetic Acid Odor (Vinegar odor) |
| Appearance | Clear/opaque or colored paste | Odor threshold | Not determined |
| Color | Various | Remarks • Method | |
| Property | Values | | |
| pH | Not determined | | |
| Melting point/freezing point | Not determined | | |
| Boiling point/boiling range | Not determined | | |
| Flash point | Not applicable | | |

| | | |
|------------------------------|----------------|-----------------|
| Evaporation rate | Not determined | |
| Flammability (solid, gas) | Not determined | |
| Flammability limits in air | | |
| Upper flammability limits | Not determined | |
| Lower flammability limit | Not determined | |
| Vapor pressure | Not determined | |
| Vapor density | Not determined | |
| Specific gravity | ~1.04 | @ 25 °C (77 °F) |
| Water solubility | Not determined | |
| 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 | |

Other Information

Additional information
VOC Content (%)

Note: The above information is not intended for use in preparing product specifications
< 3%/wt (< 40 g/L)

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

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.

Incompatible Materials

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section 8.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products:
Carbon oxides & traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde, Nitrogen oxides & metal oxides.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation

May cause irritation of respiratory tract.

Eye Contact

May cause temporary irritation on eye contact.

Skin Contact

Causes skin irritation. Can be absorbed through the skin.

Ingestion Can be harmful if swallowed.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------------|-----------------------|-------------------------|------------------------|
| Amorphous silica (glass) 7631-86-9 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 2.2 mg/L (Rat) 1 h |
| Polydimethylsiloxane 63148-62-9 | > 17 g/kg (Rat) | > 2 g/kg (Rabbit) | - |
| Methyltriacetoxysilane 4253-34-3 | = 2060 mg/kg (Rat) | - | - |
| Titanium Dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |

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

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Titanium dioxide is a possible carcinogen when it appears as a respirable dust.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------------------------|-------|----------|-----|------|
| Amorphous silica (glass) 7631-86-9 | | Group 3 | | |
| Titanium Dioxide 13463-67-7 | | Group 2B | | X |

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical Measures of Toxicity- Product

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------------------------|---|--|----------------------------|--|
| Amorphous silica (glass) 7631-86-9 | 440: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 5000: 96 h Brachydanio rerio mg/L LC50 static | | 7600: 48 h Ceriodaphnia dubia mg/L EC50 |

Persistence and Degradability

Complete information is not yet available.

Bioaccumulation

Complete information is not yet available.

Mobility

Complete information is not yet available.

Other Adverse Effects Not determined

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.

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

Legend:

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

DSL/NDL - 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 311/312 Hazard Categories

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

US State Regulations

| Chemical Name | California Proposition 65 |
|-------------------------------|---------------------------|
| Titanium Dioxide - 13463-67-7 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------------|------------|---------------|--------------|
| Amorphous silica (glass) 7631-86-9 | X | X | X |
| Titanium Dioxide 13463-67-7 | X | X | X |

U.S. EPA Label Information**16. OTHER INFORMATION**

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

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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