

# Safety Data Sheet



## 1. Identification

|                             |                                                                                |                         |                                                                                |
|-----------------------------|--------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------|
| <b>Product Name:</b>        | R-O 6PK ROOF TRI THICK PATCH&SEAL BLK                                          | <b>Revision Date:</b>   | 5/10/2019                                                                      |
| <b>Product Identifier:</b>  | 345813                                                                         | <b>Supersedes Date:</b> | 12/3/2018                                                                      |
| <b>Recommended Use:</b>     | Roof Patch and Seal                                                            |                         |                                                                                |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| <b>Preparer:</b>            | Regulatory Department                                                          |                         |                                                                                |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700                                                  |                         |                                                                                |

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

74% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|                                       |      |                                                     |
|---------------------------------------|------|-----------------------------------------------------|
| Carcinogenicity, category 1A          | H350 | May cause cancer.                                   |
| Compressed Gas                        | H280 | Contains gas under pressure; may explode if heated. |
| Eye Irritation, category 2A           | H319 | Causes serious eye irritation.                      |
| Flammable Aerosol, category 1         | H222 | Extremely flammable aerosol.                        |
| Germ Cell Mutagenicity, category 1B   | H340 | May cause genetic defects.                          |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness.                  |
| Skin Irritation, category 2           | H315 | Causes skin irritation.                             |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| P201      | Obtain special instructions before use.                                                        |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211      | Do not spray on an open flame or other ignition source.                                        |
| P251      | Do not pierce or burn, even after use.                                                         |
| P261      | Avoid breathing dust/fume/gas/mist/vapors/spray.                                               |
| P264      | Wash hands thoroughly after handling.                                                          |
| P271      | Use only outdoors or in a well-ventilated area.                                                |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                     |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.                                                |

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.                                                                           |
| P312           | Call a POISON CENTER or doctor/physician if you feel unwell.                                                                     |
| P321           | For specific treatment see label                                                                                                 |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.                                                                         |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                                         |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| P405           | Store locked up.                                                                                                                 |
| P410+P403      | Protect from sunlight. Store in a well-ventilated place.                                                                         |
| P410+P412      | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                                                     |
| P501           | Dispose of contents/container in accordance with local, regional and national regulations.                                       |

### 3. Composition / Information On Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>                             | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--------------------------------------------------|----------------|-------------------|--------------------|-----------------------|
| Methyl Ethyl Ketone                              | 78-93-3        | 25-50             | GHS02-GHS07        | H225-319-332-336      |
| Methyl Acetate                                   | 79-20-9        | 10-25             | GHS02-GHS07        | H225-319-336          |
| Liquefied Petroleum Gas                          | 68476-86-8     | 10-25             | GHS04-GHS08        | H280-340-350          |
| 3-Aminopropyltriethoxysilane                     | 919-30-2       | 1.0-2.5           | GHS05-GHS06        | H302-314-331          |
| Carbon Black                                     | 1333-86-4      | 1.0-2.5           | Not Available      | Not Available         |
| Dimethyl Sulfoxide                               | 67-68-5        | 1.0-2.5           | GHS06              | H331                  |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | 41556-26-7     | 0.1-1.0           | GHS07              | H317                  |
| Methanol                                         | 67-56-1        | 0.1-1.0           | GHS02-GHS06-GHS08  | H225-331-370          |

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of flammable aerosols. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                                    | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|--------------------------------------------------|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Methyl Ethyl Ketone                              | 78-93-3    | 30.0                  | 200 ppm           | 300 ppm            | 200 ppm      | N.E.                 |
| Methyl Acetate                                   | 79-20-9    | 25.0                  | 200 ppm           | 250 ppm            | 200 ppm      | N.E.                 |
| Liquefied Petroleum Gas                          | 68476-86-8 | 25.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| 3-Aminopropyltriethoxysilane                     | 919-30-2   | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Carbon Black                                     | 1333-86-4  | 1.0                   | 3 mg/m3           | N.E.               | 3.5 mg/m3    | N.E.                 |
| Dimethyl Sulfoxide                               | 67-68-5    | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | 41556-26-7 | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Methanol                                         | 67-56-1    | 1.0                   | 200 ppm           | 250 ppm            | 200 ppm      | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |                                                |            |
|---------------------------------|---------------------|------------------------------------------------|------------|
| <b>Appearance:</b>              | Aerosolized Mist    | <b>Physical State:</b>                         | Liquid     |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                         | N.E.       |
| <b>Specific Gravity:</b>        | 0.398               | <b>pH:</b>                                     | N.A.       |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.       |
| <b>Solubility in Water:</b>     | Slight              | <b>Partition Coefficient, n-octanol/water:</b> | N.D.       |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | 1.8 - 16.0 |
| <b>Boiling Range, °C:</b>       | -18 - 232           | <b>Flash Point, °C:</b>                        | -56        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                | N.D.       |
| <b>Evaporation Rate:</b>        | Faster than Ether   | <b>Vapor Pressure:</b>                         | N.D.       |
| <b>Vapor Density:</b>           | Heavier than Air    |                                                |            |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed. Poison, may be fatal or cause blindness if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to methyl ethyl ketone in laboratory animals has been associated with liver abnormalities, kidney and lung damage. Fetotoxic/embryotoxic effects from inhalation have been seen in rats exposed to >1000ppm during gestation. Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

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

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                     | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------------------|------------------|--------------------|-------------------|
| 78-93-3        | Methyl Ethyl Ketone                      | 2483 mg/kg Rat   | 5000 mg/kg Rabbit  | N.E.              |
| 79-20-9        | Methyl Acetate                           | >5000 mg/kg Rat  | >5000 mg/kg Rabbit | >49 mg/L Rat      |
| 919-30-2       | 3-Aminopropyltriethoxysilane             | 1780 mg/kg Rat   | 4290 mg/kg Rabbit  | >7.35 mg/L Rat    |
| 1333-86-4      | Carbon Black                             | >15400 mg/kg Rat | N.E.               | N.E.              |
| 67-68-5        | Dimethyl Sulfoxide                       | 28300 mg/kg Rat  | N.E.               | >5.33 mg/L Rat    |
| 41556-26-7     | bis(1,2,2,6,6-Pentamethyl-4-PiperidinyI) | 2615 mg/kg Rat   | N.E.               | N.E.              |
|                | Sebacate                                 |                  |                    |                   |
| 67-56-1        | Methanol                                 | 6200 mg/kg Rat   | 15840 mg/kg Rabbit | N.E.              |

N.E. - Not Established

**12. Ecological Information****ECOLOGICAL INFORMATION:** Product is a mixture of listed components.**13. Disposal Information****DISPOSAL INFORMATION:** Do not incinerate closed containers. This product as supplied is a USEPA defined ignitable hazardous waste. Dispose of unusable product as a hazardous waste (D001) in accordance with local, state, and federal regulation.**14. Transport Information**

|                       | <u>Domestic (USDOT)</u>                     | <u>International (IMDG)</u> | <u>Air (IATA)</u>   | <u>TDG (Canada)</u> |
|-----------------------|---------------------------------------------|-----------------------------|---------------------|---------------------|
| UN Number:            | N.A.                                        | 1950                        | 1950                | N.A.                |
| Proper Shipping Name: | Paint and Related Spray Products in Ltd Qty | Aerosols                    | Aerosols, flammable | Aerosols            |
| Hazard Class:         | N.A.                                        | 2                           | 2.1                 | N.A.                |
| Packing Group:        | N.A.                                        | N.A.                        | N.A.                | N.A.                |
| Limited Quantity:     | Yes                                         | Yes                         | Yes                 | Yes                 |

**15. Regulatory Information****U.S. Federal Regulations:****CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Gas under pressure, Carcinogenicity, Skin Corrosion or Irritation, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Methyl Ethyl Ketone  | 78-93-3        |
| Methanol             | 67-56-1        |

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

**U.S. State Regulations:****California Proposition 65:**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**16. Other Information****HMIS RATINGS**

**Health:** 2\*      **Flammability:** 4      **Physical Hazard:** 0      **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2      **Flammability:** 4      **Instability:** 0

**Maximum Incremental Reactivity** 0.66

**SDS REVISION DATE:** 5/10/2019

**REASON FOR REVISION:** Substance and/or Product Properties Changed in Section(s):  
11 - Toxicological Information  
16 - Other Information

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.