

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | MODMAS 1-GL EXT MET AGED NICKEL  | <b>Revision Date:</b>   | 4/23/2018  |
| <b>Product Identifier:</b>  | 337176   | <b>Supersedes Date:</b> | 3/6/2018   |
| <b>Product Use/Class:</b>   | Acrylic/Exterior Metallic  |                         |  |
| <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

8% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### GHS HAZARD STATEMENTS

|                                    |      |  |
|------------------------------------|------|--|
| Reproductive Toxicity, category 1B | H360 | May damage fertility or the unborn child.                                  |
| Skin Sensitizer, category 1        | H317 | May cause an allergic skin reaction.                                       |
| Respiratory Sensitizer, category 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

#### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P201      | Obtain special instructions before use.                                    |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention.                     |

|           |   |
|-----------|---|
| P405      | Store locked up.  |
| P501      | Dispose of contents/container in accordance with local, regional and national regulations.                                  |
| P261      | Avoid breathing dust/fume/gas/mist/vapors/spray.  |
| P272      | Contaminated work clothing should not be allowed out of the workplace.  |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.  |
| P321      | For specific treatment see label  |
| P285      | In case of inadequate ventilation wear respiratory protection.  |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P342+P311 | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.   |

**GHS SDS PRECAUTIONARY STATEMENTS**

P363 Wash contaminated clothing before reuse.

### 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>        |
|--|----------------|-------------------|--------------------|------------------------------|
| Mica   | 12001-26-2     | 2.5-10            | Not Available      | Not Available                |
| Titanium Dioxide                                 | 13463-67-7     | 2.5-10            | Not Available      | Not Available                |
| Dipropylene Glycol Monobutyl Ether               | 29911-28-2     | 0.1-1.0           | Not Available      | Not Available                |
| 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate      | 25265-77-4     | 0.1-1.0           | GHS06              | H331                         |
| N-Methyl 2-Pyrrolidone                           | 872-50-4       | 0.1-1.0           | GHS06-GHS08        | H315-319-331-335-360         |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | 41556-26-7     | 0.1-1.0           | GHS07              | H317                         |
| Carbon Black                                     | 1333-86-4      | 0.1-1.0           | Not Available      | Not Available                |
| Ammonium Persulfate                              | 7727-54-0      | 0.1-1.0           | GHS03-GHS07-GHS08  | H272-302-315-317-319-334-335 |
| Nanoscale Titanium Dioxide                       | 1317-80-2      | 0.1-1.0           | Not Available      | Not Available                |
| Dipropylene Glycol Monomethyl Ether              | 34590-94-8     | 0.1-1.0           | Not Available      | Not Available                |

### 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:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, 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:** No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

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

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

## 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.

**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 |
|--|------------|-----------------------|----------------------|--------------------|-----------------------|----------------------|
| Mica   | 12001-26-2 | 10.0                  | 3 mg/m <sup>3</sup>  | N.E.               | N.E.                  | N.E.                 |
| Titanium Dioxide                                 | 13463-67-7 | 5.0                   | 10 mg/m <sup>3</sup> | N.E.               | 15 mg/m <sup>3</sup>  | N.E.                 |
| Dipropylene Glycol Monobutyl Ether               | 29911-28-2 | 1.0                   | N.E.                 | N.E.               | N.E.                  | N.E.                 |
| 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate      | 25265-77-4 | 1.0                   | N.E.                 | N.E.               | N.E.                  | N.E.                 |
| N-Methyl 2-Pyrrolidone                           | 872-50-4   | 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.                 |
| Carbon Black                                     | 1333-86-4  | 1.0                   | 3 mg/m <sup>3</sup>  | N.E.               | 3.5 mg/m <sup>3</sup> | N.E.                 |
| Ammonium Persulfate                              | 7727-54-0  | 1.0                   | N.E.                 | N.E.               | N.E.                  | N.E.                 |
| Nanoscale Titanium Dioxide                       | 1317-80-2  | 1.0                   | N.E.                 | N.E.               | N.E.                  | N.E.                 |
| Dipropylene Glycol Monomethyl Ether              | 34590-94-8 | 1.0                   | 100 ppm              | 150 ppm            | 100 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. 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.

**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>              | Liquid                      | <b>Physical State:</b>                              | Liquid     |
| <b>Odor:</b>                    | Solvent Like                | <b>Odor Threshold:</b>                              | N.E.       |
| <b>Relative Density:</b>        | 1.133                       | <b>pH:</b>  | N.D.       |
| <b>Freeze Point, °C:</b>        | N.D.                        | <b>Viscosity:</b>                                   | N.D.       |
| <b>Solubility in Water:</b>     | Slight                      | <b>Partition Coefficient, n-octanol/<br/>water:</b> | N.D.       |
| <b>Decomposition Temp., °C:</b> | N.D.                        | <b>Explosive Limits, vol%:</b>                      | 2.6 - 12.6 |
| <b>Boiling Range, °C:</b>       | 100 - 537                   | <b>Flash Point, °C:</b>                             | 94         |
| <b>Flammability:</b>            | Does not Support Combustion | <b>Auto-ignition Temp., °C:</b>                     | N.D.       |
| <b>Evaporation Rate:</b>        | Slower 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:** No Information

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

**HAZARDOUS DECOMPOSITION:** When heated to decomposition, it emits acrid smoke and irritating fumes.

**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:** Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Substance may be harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints 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 Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) 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> |
|----------------|---|------------------|--------------------|-------------------|
| 13463-67-7     | Titanium Dioxide                            | >10000 mg/kg Rat | 2500 mg/kg         | N.E.              |
| 25265-77-4     | 2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate | 3200 mg/kg Rat   | >15200 mg/kg Rat   | >3.55 mg/L Rat    |
| 872-50-4       | N-Methyl 2-Pyrrolidone                      | 3914 mg/kg Rat   | 8000 mg/kg Rabbit  | >5.1 mg/L Rat     |

|            |   |                  |                     |              |
|------------|---|------------------|---------------------|--------------|
| 41556-26-7 | bis(1,2,2,6,6-Pentamethyl-4-Piperidiny)<br>Sebacate | 2615 mg/kg Rat   | N.E.                | N.E.         |
| 1333-86-4  | Carbon Black  | >15400 mg/kg Rat | N.E.                | N.E.         |
| 7727-54-0  | Ammonium Persulfate                                 | 495 mg/kg Rat    | >10000 mg/kg Rabbit | 520 mg/L Rat |
| 34590-94-8 | Dipropylene Glycol Monomethyl Ether                 | 5350 mg/kg Rat   | 9500 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:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

|                              | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|-----------------------------|-------------------|---------------------|
| <b>UN Number:</b>            | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Limited Quantity:</b>     | No                      | No                          | No                | No                  |

## 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:

No Information

#### 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> |
|------------------------|----------------|
| N-Methyl 2-Pyrrolidone | 872-50-4       |
| Ammonium Persulfate    | 7727-54-0      |

#### 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.

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

**Health:** 2\*      **Flammability:** 1      **Physical Hazard:** 0      **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2      **Flammability:** 1      **Instability:** 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 113

**SDS REVISION DATE:** 4/23/2018

**REASON FOR REVISION:** Substance Chemical Name Changed  
Substance and/or Product Properties Changed in Section(s):  
01 - Identification

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

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