Safety Data Sheet

1. Identification

Product Name: COMM UNIVERSAL METAL PRIMER 1 GAL 2 PK
Product Identifier: 302140
Recommended Use: Primer/Solventborne Alkyd
Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL  60061
USA
Rust-Oleum Canada (ROCA)
200 Confederation Parkway
Concord, ON  L4K 4T8
Canada
Emergency Phone: 800-387-3625
Preparer: Regulatory Department
Emergency Telephone: 24 Hour Hotline: 847-367-7700

Revision Date: 8/8/2018
Supercedes Date: 3/14/2018

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL  60061
USA

2. Hazard Identification

Classification
Symbol(s) of Product

Signal Word
Danger

Possible Hazards
37% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS
Flammable Liquid, category 3  H226  Flammable liquid and vapour.
Germ Cell Mutagenicity, category 1B  H340  May cause genetic defects.
Carcinogenicity, category 1B  H350  May cause cancer.
STOT, repeated exposure, category 1  H372  Causes damage to organs through prolonged or repeated exposure.
Skin Sensitizer, category 1  H317  May cause an allergic skin reaction.
GHS LABEL PRECAUTIONARY STATEMENTS

P210  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233  Keep container tightly closed.

P280  Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353  IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378  In case of fire: Use alcohol film forming foam, carbon dioxide, dry chemical, dry sand to extinguish.

P403+P235  Store in a well-ventilated place. Keep cool.

P501  Dispose of contents/container in accordance with local, regional and national regulations.

P201  Obtain special instructions before use.

P308+P313  IF exposed or concerned: Get medical advice/attention.

P405  Store locked up.

P260  Do not breathe dust/fume/gas/mist/vapors/spray.

P264  Wash hands thoroughly after handling.

P314  Get medical advice/attention if you feel unwell.

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

GHS SDS PRECAUTIONARY STATEMENTS

P240  Ground/bond container and receiving equipment.

P241  Use explosion-proof electrical/ventilating/lighting/equipment.

P242  Use only non-sparking tools.

P243  Take precautionary measures against static discharge.
3. Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>HAZARDOUS SUBSTANCES</th>
<th>CAS-No.</th>
<th>Wt.%</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, Petroleum, Hydrotreated Light</td>
<td>64742-49-0</td>
<td>15</td>
<td>GHS08</td>
<td>H304-340-350</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>9.0</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Hydrous Magnesium Silicate</td>
<td>14807-96-6</td>
<td>7.3</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>2.6</td>
<td>GHS08</td>
<td>H304-372</td>
</tr>
<tr>
<td>Solvent Naphtha, Light Aromatic</td>
<td>64742-95-6</td>
<td>2.3</td>
<td>GHS07-GHS08</td>
<td>H304-332</td>
</tr>
<tr>
<td>n-Nonane</td>
<td>111-84-2</td>
<td>1.3</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>1.2</td>
<td>GHS02-GHS07-GHS08</td>
<td>H226-304-315-319-332-335</td>
</tr>
<tr>
<td>Methyl ethyl ketoxime</td>
<td>96-29-7</td>
<td>0.2</td>
<td>GHS05-GHS06-GHS08</td>
<td>H302-312-317-318-331-351</td>
</tr>
<tr>
<td>Naphtha, Hydrotreated Heavy</td>
<td>64742-48-9</td>
<td>0.1</td>
<td>GHS08</td>
<td>H304-340-350</td>
</tr>
<tr>
<td>Crystalline Silica / Quartz</td>
<td>14808-60-7</td>
<td>0.1</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

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:** 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:** No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** 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:** Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.
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.


8. Exposure Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight % Less Than</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV- STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, Petroleum, Hydrotreated Light</td>
<td>64742-49-0</td>
<td>15.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10.0</td>
<td>10 mg/m3</td>
<td>N.E.</td>
<td>15 mg/m3</td>
<td>N.E.</td>
</tr>
<tr>
<td>Hydrous Magnesium Silicate</td>
<td>14807-96-6</td>
<td>10.0</td>
<td>2 mg/m3</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>5.0</td>
<td>100 ppm</td>
<td>N.E.</td>
<td>500 ppm</td>
<td>N.E.</td>
</tr>
<tr>
<td>Solvent Naphtha, Light Aromatic</td>
<td>64742-95-6</td>
<td>5.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>n-Nonane</td>
<td>111-84-2</td>
<td>5.0</td>
<td>200 ppm</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>T,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>5.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Methyl ethyl ketoxime</td>
<td>96-29-7</td>
<td>1.0</td>
<td>10 ppm</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Naphtha, Hydrotreated Heavy</td>
<td>64742-48-9</td>
<td>1.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Crystalline Silica / Quartz</td>
<td>14808-60-7</td>
<td>1.0</td>
<td>0.025 mg/m3</td>
<td>N.E.</td>
<td>50 µg/m3</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation Rate:</td>
<td>Slower than Ether</td>
<td>Physical State:</td>
<td>Odor Threshold:</td>
<td>pH:</td>
<td>Viscosity:</td>
<td>Partition Coefficient, n-octanol/water:</td>
<td>Explosive Limits, vol%:</td>
<td>Flash Point, °C:</td>
<td>Auto-ignition Temp., °C:</td>
<td>Vapor Pressure:</td>
</tr>
</tbody>
</table>

(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 alkalies.

HAZARDOUS DECOMPOSITION: 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: Substance causes moderate eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: 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: Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. 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)

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:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-49-0</td>
<td>Naphtha, Petroleum, Hydrotreated Light</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;3160 mg/kg Rabbit</td>
<td>&gt;4951 mg/L Rat</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>&gt;10000 mg/kg Rat</td>
<td>2500 mg/kg</td>
<td>N.E.</td>
</tr>
<tr>
<td>14807-96-6</td>
<td>Hydrous Magnesium Silicate</td>
<td>6000</td>
<td>N.E.</td>
<td>30</td>
</tr>
<tr>
<td>64742-95-6</td>
<td>Solvent Naphtha, Light Aromatic</td>
<td>8400 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>N.E.</td>
</tr>
<tr>
<td>95-63-6</td>
<td>1,2,4-Trimethylbenzene</td>
<td>3280 mg/kg Rat</td>
<td>&gt;3160 mg/kg Rabbit</td>
<td>18 mg/L Rat</td>
</tr>
<tr>
<td>96-29-7</td>
<td>Methyl ethyl ketoxime</td>
<td>930 mg/kg Rat</td>
<td>1100 mg/kg Rabbit</td>
<td>&gt;4.8 mg/L Rat</td>
</tr>
<tr>
<td>64742-48-9</td>
<td>Naphtha, Hydrotreated Heavy</td>
<td>&gt;6000 mg/kg Rat</td>
<td>&gt;3160 mg/kg Rabbit</td>
<td>N.E.</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Crystalline Silica / Quartz</td>
<td>5500 mg/kg Rat</td>
<td>5500</td>
<td>100 mg/L</td>
</tr>
</tbody>
</table>

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. 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

<table>
<thead>
<tr>
<th>UN Number:</th>
<th>Domestic (USDOT)</th>
<th>International (IMDG)</th>
<th>Air (IATA)</th>
<th>TDG (Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.A.</td>
<td>1263</td>
<td>1263</td>
<td>N.A.</td>
<td></td>
</tr>
</tbody>
</table>

Proper Shipping Name: Not Regulated

Hazard Class: N.A.

Packing Group: N.A.

Limited Quantity: No

Yes, >5l 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:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Respiratory or Skin Sensitization, 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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>111-84-2</td>
</tr>
</tbody>
</table>

16. Other Information

HMIS RATINGS

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

NFPA RATINGS

Health: 2 Flammability: 2 Instability 0

Volatile Organic Compounds: 338 g/L

SDS REVISION DATE: 8/8/2018

REASON FOR REVISION:

Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
  02 - Hazard Identification
  03 - Composition/Information on Ingredients
  08 - Exposure Controls/Personal Protection
  15 - Regulatory Information
  16 - Other Information
  Substance Regulatory CAS Number Changed
  Substance Hazardous Flag Changed
  Substance Hazard Threshold % Changed
  Substance Chemical Name Changed
  Revision Statement(s) Changed

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

The manufacturer 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. The manufacturer 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.