1. IDENTIFICATION

Product Identifier
Product Name: Slide Quick RP with Red Dye Rust Preventive

Other means of identification
SDS #: 42810R
Product Code: 42810R
UN/ID No: UN1950

Recommended use of the chemical and restrictions on use
Recommended Use: Anti-rust agent. Non-chlorinated rust preventive formulation. Will not penetrate into moving mold parts (including ejector pin holes, slides, cams, etc.), which prevents marking of plastic parts when molds are put back in service.

Details of the supplier of the safety data sheet
Supplier Address: Slide Products Inc.
430 S. Wheeling Road
Wheeling, IL 60090

Emergency Telephone Number
Company Phone Number: Phone: 1-847-541-7220
Fax: 1-847-541-7986
Emergency Telephone (24 hr): INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Tan liquid
Physical State: Aerosol
Odor: Faintly disagreeable odor

Classification
| Skin corrosion/irritation | Category 2 |
| Carcinogenicity | Category 1A |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration toxicity | Category 1 |
| Flammable Aerosols | Category 2 |

Hazards Not Otherwise Classified (HNOC)
May be harmful in contact with skin

Signal Word
Danger

Hazard Statements
Causes skin irritation
May cause cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Flammable Aerosol
Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 ºC/122 ºF

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards
Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity
7% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>50-70</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10-25</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>5-10</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>5-10</td>
</tr>
<tr>
<td>Benzenesulfonic Acid, mono-C16-24-alkyl Derivatives</td>
<td>70024-71-4</td>
<td>5-10</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**
4. FIRST-AID MEASURES

First Aid Measures

General Advice
When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact
Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician if you feel unwell.

Ingestion
Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms
Aspiration hazard: if swallowed can enter lungs and cause damage. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause irritation to the mucous membranes and upper respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Unsuitable Extinguishing Media
Use water spray with caution to prevent the spread of flames.

Specific Hazards Arising from the Chemical
Extremely flammable. Pressurized container: May burst if heated. Containers may explode when heated. Vapors are heavier than air and may spread along floors. Combustion products may be toxic.

Hazardous Combustion Products

Sensitivity to Mechanical Impact
Yes.

Sensitivity to Static Discharge
Yes.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk. Cool containers exposed to fire with water. Do not release runoff from fire control methods to sewers or waterways.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Ventilate affected area. Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.

Environmental Precautions
Do not allow material to contaminate ground water system. Prevent product from entering drains. 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.

Methods for Clean-Up
Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Pressurized container: Do not pierce or burn, even after use. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Always replace cap after use. Empty containers may contain flammable vapors/residue.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not expose to temperatures exceeding 50 °C/122°F. Keep away from heat. Inspect containers periodically for defects. Protect container from physical damage. Protect from sunlight.

Incompatible Materials
Oxidizing agents. Halogenated compounds.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane 110-54-3</td>
<td>TWA: 50 ppm</td>
<td>TWA: 500 ppm TWA: 1800 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m³</td>
<td>IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m³</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m³</td>
<td>IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>Isobutane 75-28-5</td>
<td>TWA: 1000 ppm</td>
<td>-</td>
<td>TWA: 800 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>N-Butane 106-97-8</td>
<td>TWA: 1000 ppm (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³</td>
<td>TWA: 800 ppm TWA: 1900 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear eye/face protection. Goggles.

Skin and Body Protection Wear suitable gloves. Suitable protective clothing.

Respiratory Protection Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.

General Hygiene Considerations Do not breathe vapors or spray mist. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>&lt; -40 °C / &lt; -40 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>39.4-40 °C / 102-104 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Flammable aerosol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>7.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>1.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>137 mm Hg</td>
<td>@ 21°C (70°F)</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier than air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.644</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Property | Values | Remarks • Method
--- | --- | ---
Partition Coefficient | No information available |  
Auto-ignition Temperature | No information available |  
Decomposition Temperature | No information available |  
Kinematic Viscosity | Not determined |  
Dynamic Viscosity | No information available |  
Explosive Properties | Pressurized container: May burst if heated |  
Oxidizing Properties | None known |  
VOC Content | No information available |  

### 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**
Avoid direct sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Do not puncture or incinerate cans.

**Incompatible Materials**
Oxidizing agents. Halogenated compounds.

**Hazardous Decomposition Products**
Carbon oxides. Sulfur oxides. Various unidentified organic compounds.

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

- **Eye Contact**: Avoid contact with eyes.
- **Skin Contact**: Causes skin irritation. May be harmful in contact with skin.
- **Inhalation**: Avoid breathing vapors or mists.
- **Ingestion**: Do not taste or swallow.

**Component Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane 110-54-3</td>
<td>= 25 g/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>= 48000 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Isobutane 75-28-5</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>N-Butane 106-97-8</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>
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 butane and isobutane contained in this product contain >0.1% butadiene, a known carcinogen.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

STOT - single exposure
May cause drowsiness or dizziness.

STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
May be fatal if swallowed and enters airways.

Numerical measures of toxicity
Not determined

Unknown Acute Toxicity
7% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane 110-54-3</td>
<td></td>
<td>2.1 - 2.98: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td>1000: 24 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane 74-98-6</td>
<td>2.3</td>
</tr>
<tr>
<td>N-Butane 106-97-8</td>
<td>2.89</td>
</tr>
<tr>
<td>Isobutane 75-28-5</td>
<td>2.88</td>
</tr>
</tbody>
</table>

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.

**California Hazardous Waste Status**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane 110-54-3</td>
<td>Toxic Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

**Note**
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**
- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1

**IATA**
- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols, flammable
- **Hazard Class**: 2.1

**IMDG**
- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1
- **Marine Pollutant**: This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

**International Inventories**
Not determined

**US Federal Regulations**

**CERCLA**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane 110-54-3</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

**SARA 313**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane - 110-54-3</td>
<td>110-54-3</td>
<td>50-70</td>
<td>1.0</td>
</tr>
</tbody>
</table>
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>110-54-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>74-98-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isobutane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>75-28-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-Butane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>106-97-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date: 10-Jan-2012  
Revision Date: 06-Feb-2014  
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