# 1 PRODUCT IDENTIFICATION

PRODUCT NAME: 6980 Rustlok Steel Primer  
PRODUCT USE.: Bottom prep system  
APPEARANCE...: Clear liquid with hydrocarbon odor  
CAS NUMBER.: Mixture  
SYNONYMS....: None

REVISION....: 4  
DATE........: 1/06/00  
MSDS NUMBER: 1698000

# 2 HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>REG AGENCY</th>
<th>PPM</th>
<th>NOTES</th>
<th>MG/M3</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyisocyanate based on MDI</td>
<td>(None established.)</td>
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<td>CAS NUMBER: DA-133</td>
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<tr>
<td>PERCENT BY WGT: 30 TO 35</td>
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<tr>
<td>Methylene diphenyl diisocyanate (MDI)</td>
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<td>CAS NUMBER: 101-68-8</td>
<td>OSHA CEILING</td>
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<tr>
<td>Ethyl Orthoformate</td>
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<td>CAS NUMBER: 122-51-0</td>
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<td>PERCENT BY WGT: 1 TO 5</td>
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<tr>
<td>Xylene</td>
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<td>ACGIH-TWA</td>
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<td>PERCENT BY WGT: 1 TO 5</td>
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<td>NIOSH STEL</td>
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<td>OSHA TWA</td>
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<td>Trimethyl benzene</td>
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</table>
2 HAZARDOUS INGREDIENTS

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<tr>
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<th>MG/M3</th>
<th>NOTES</th>
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<tr>
<td>CAS NUMBER: 25551-13-7 Petroleum distillates</td>
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<td>PERCENT BY WGT: 10 TO 15</td>
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<tr>
<td>CAS NUMBER: 64742-95-6 Petroleum distillates</td>
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<td>PERCENT BY WGT: 35 TO 40</td>
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<tr>
<td>Aluminum (as metal dust)</td>
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<td>CAS NUMBER: 7429-90-5</td>
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<td>PERCENT BY WGT: 10 TO 15</td>
<td>OSHA-TWA</td>
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<td>5</td>
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<tr>
<td>Aluminum (as welding fume)</td>
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<tr>
<td>CAS NUMBER: 7429-90-5</td>
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<td>PERCENT BY WGT: 10 TO 15</td>
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</tr>
</tbody>
</table>

NOTES:
1) Total dust
2) Respirable fraction

3 HAZARDS IDENTIFICATION

EYE: Direct contact with liquid or vapor causes irritation.

SKIN: Prolonged or repeated contact with the skin can result in defatting and
drying of the skin which may result in skin irritation and dermatitis (rash).
May be absorbed through the skin resulting in systemic effects.

INHALATION: Avoid breathing vapors or mists. High concentrations may lead to
central nervous system effects (drowsiness, dizziness, nausea, headaches). Pro-
longed or repeated inhalation and ingestion may cause delayed injury involving
the kidneys and the blood. Prolonged or repeated inhalation of high concen-
trations of metal fumes may cause metal fume fever characterized by headache,
dizziness, metallic taste in mouth and general flu-like symptoms.

INGESTION: Irritating to the nose, throat and respiratory tract. May cause
vomiting. Aspiration of this product into the lung may cause chemical pneumo-
nitis which can be fatal.

Individuals with pre-existing disease in or a history of ailments involving the
skin, eye, respiratory tract, liver, kidney, central nervous system are at a
greater than normal risk of developing adverse effects when exposed to this
material.

4 FIRST AID MEASURES
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EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water. If redness, itching, burning or other symptoms develop or persist, get medical attention. Wash contaminated clothing before reuse.

INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If breathing has stopped have a trained person administer artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If swallowed do NOT induce vomiting. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

5 FIRE FIGHTING MEASURES

FLASH POINT: 105 F/41C

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray or foam.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel.

FIRE AND EXPLOSION HAZARDS: Can release vapors that form explosive mixtures. Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat (fire). Toxic vapors may be given off in a fire.

6 SPILL AND LEAK PROCEDURES

Stop spill/leak if no risk involved. Avoid breathing vapors. Eliminate ALL sources of ignition. Use an inert absorbent to complete a clean-up. This material reacts with oxidizing materials. Absorb spilled material and place in closed container for disposal.

7 HANDLING AND STORAGE
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HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Do not get on skin, in eyes or on clothing. Wash thoroughly after handling.

STORAGE: Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

OTHER: Keep away from heat and open flame. Do not use until manufacturer's precautions have been read/understood.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this product should be equipped with an eyewash facility.

RESPIRATORS: Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved or equivalent) during and after application. Follow respirator manufacturer’s directions for respirator use. Close container after each use. A respiratory protection program that meets OSHA 1910.134 and NIOSH 42 CFR 84 requirements must be followed whenever workplace conditions warrant a respirator’s use.

PERSONAL PROTECTIVE EQUIPMENT: Industrial safety glasses at a minimum. As necessary for work area conditions: use side shields, goggles, or faceshield. As required, chemical resistant flexible-type gloves (heavy duty neoprene or equal). Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear resistant protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs): 8.970  % VOL by Weight: 44
Vapor Density: (air=1)>1  Boiling Point: Not determined
Vapor Pressure: Not determined  Evaporation Rate: (ether=1)<1
pH: Not determined  Specific Gravity: > 1
Solubility In Water: Negligible  Viscosity: Not determined
VOC Content: 467 g/L

10 STABILITY AND REACTIVITY DATA
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STABILITY: None
HAZARDOUS POLYMERIZATION: None
INCOMPATIBILITY: Avoid oxidizing agents, heat, sparks and open flames.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide upon thermal decomposition.

11 TOXICOLOGICAL INFORMATION

Contact Kop-Coat for applicable information.

12 ECOLOGICAL INFORMATION

Product has not been tested for ecotoxicity.

13 DISPOSAL CONSIDERATIONS

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 regulations.

14 TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION REPORTABLE QUANTITIES
REPORTABLE QTY (LBS)  HAZARDOUS SUBSTANCE
100  Xylene

DOT PROPER SHIPPING NAME: None
DOT HAZARD CLASS: None
LABEL: Non-Hazardous
DOT IDENTIFICATION NUMBER: None
DOT information for domestic ground transportation.

15 REGULATORY INFORMATION

SARA TITLE III SECTION 313 CHEMICALS
Methylene diphenyl diisocyanate (MDI)
Xylene
Aluminum (as metal dust)
NOTE: The petroleum distillate (CAS# 64742-95-6) may contain approximately 7% xylene, 3% cumene and 90% trimethylbenzene.

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: L. Briggs Manager Environmental and Regulatory Affairs