Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
Product name: ProShine Plus
Product number: 09316
Brand: Crown Chemical, Inc.

1.2 Other means of identification
ProShine Plus Stainless Steel Polish, Oil Based

1.3 Recommended use of the chemical and restrictions on use
Stainless Steel Polish

1.4 Supplier's details
Name: Crown Chemical, Inc.
Address: 4701 W. 136th St.
Crestwood, Illinois 60418
U.S.A.
Telephone: 708-371-6990
Fax: 708-371-6992
email: info@crown-chem.com

1.5 Emergency phone number(s)
800-535-5053

SECTION 2: Hazard identification

General hazard statement
Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

2.1 Classification of the substance or mixture
GHS classification in accordance with: OSHA (29 CFR 1910.1200)
- Flammable aerosols, Cat. 1
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements
Pictogram

1. Flame; 2. Exclamation mark

Signal word: Danger

Hazard statement(s)
H222 Extremely flammable aerosol
H318 Causes serious eye damage
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

Precautionary statement(s)
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands & skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER/doctor for treatment advice.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents and container in accordance with all local, state, national and international regulations.
P337+P313 If eye irritation persists: Get medical advice/attention.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P312 Call a POISON CENTER/doctor/.../ if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards which do not result in classification
None known

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Distillates, petroleum, hydrotreated light
   Concentration 20 - 40 % (By Weight)
   EC no. 265-149-8
   CAS no. 64742-47-8
   - Aspiration hazard, Cat. 1
   - Flammable liquids, Cat. 4
   - Hazardous to the aquatic environment, long-term (chronic), Cat. 2
   - Specific target organ toxicity (single exposure), Cat. 3
   - Skin corrosion/irritation, Cat. 2

   H227 Combustible liquid
   H304 May be fatal if swallowed and enters airways
   H315 Causes skin irritation
   H335 May cause respiratory irritation
   H336 May cause drowsiness or dizziness
   H411 Toxic to aquatic life with long lasting effects

2. Mineral oil
   Concentration 20 - 40 % (By Weight)
   EC no. 232-455-8
   CAS no. 8042-47-5
3. Acetone
Concentration 10 - 20 % (By Weight)
EC no. 200-662-2
CAS no. 67-64-1
Index no. 606-001-00-8

- Flammable liquids, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Serious eye damage/eye irritation, Cat. 2

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

4. Propane gas
Concentration 10 - 20 % (By Weight)
EC no. 200-827-9
CAS no. 74-98-6
Index no. 601-003-00-5

- Flammable gases, Cat. 1
- Press. Gas

H220 Extremely flammable gas

5. METHYL ACETATE
Concentration 2.5 - 10 % (By Weight)
EC no. 201-185-2
CAS no. 79-20-9
Index no. 607-021-00-X

- Flammable liquids, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Serious eye damage/eye irritation, Cat. 2

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

6. Naphtha (petroleum), heavy alkylate
Concentration 0.1 - 1 % (By Weight)
CAS no. 64741-65-7

- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Aspiration hazard, Cat. 1

H304 May be fatal if swallowed and enters airways
H340 May cause genetic defects [route]
H350 May cause cancer [route]

7. d-alpha-tocopherol
Concentration 0.01 - 0.1 % (By Weight)
CAS no. 59-02-9

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).
SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice
Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

If inhaled
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

In case of skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

In case of eye contact
Rinse with water. Get medical attention if irritation develops and persists.

If swallowed
Rinse mouth. Get medical attention if symptoms occur.

Personal protective equipment for first-aid responders
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

4.2 Most important symptoms/effects, acute and delayed
May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Powder. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO2).

5.2 Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

5.3 Special protective actions for fire-fighters
Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Further information
Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
6.2 **Environmental precautions**
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3 **Methods and materials for containment and cleaning up**
Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling
Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Use only in well-ventilated areas. Observe good industrial hygiene practices. Wash hands thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities
Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

1. **Distillates, petroleum, hydrotreated light (CAS: 64742-47-8 EC: 265-149-8)**
   TLV® (Inhalation): 200 mg/m³ (ACGIH)
   TWA (Inhalation): 5 mg/m³; USA (ACGIH)
   USA. ACGIH Threshold Limit Values
   (TLV)
   ST (Inhalation): 10 mg/m³; USA (OSHA)
   USA. NIOSH Recommended Exposure Limits
   TWA (Inhalation): 5 mg/m³; USA (NIOSH)
   USA. NIOSH Recommended Exposure Limits
   TWA (Inhalation): 5 mg/m³; USA (OSHA)
   USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
   PEL (Inhalation): 5 mg/m³; USA (Cal/OSHA)
   California permissible exposure limits for chemical contaminants (Title 8, Article 107)
3. **Acetone (CAS: 67-64-1)**
   PEL (Inhalation): 1000 ppm (OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   PEL (Inhalation): 500 ppm, (ST) 750 ppm, (C) 3000 ppm (Cal/OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   REL (Inhalation): 250 ppm (NIOSH)
   OSHA Annotated Table Z-1, www.osha.gov
TLV® (Inhalation): 250 ppm, (ST) 500 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

4. Propane (CAS: 74-98-6)
PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov
PEL (Inhalation): 1000 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov
REL (Inhalation): 1000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

5. Methyl acetate (CAS: 79-20-9)
PEL (Inhalation): 200 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov
PEL (Inhalation): 200 ppm, (ST) 250 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov
REL (Inhalation): 200 ppm, (ST) 250 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to
conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain
airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne
levels to an acceptable level. Provide eyewash station.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Skin protection
Wear appropriate chemical resistant gloves.

Body protection
When using, do not eat, drink or smoke. Do not get this material on clothing. Always observe good personal hygiene
measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work
clothing and protective equipment to remove contaminants.

Respiratory protection
If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Odor</td>
<td>Not Available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH</td>
<td>Not Available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not Available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>62.28 °F (16.82 °C) estimated</td>
</tr>
<tr>
<td>Flash point</td>
<td>-156.00 °F (-104.44 °C) Propellant estimated</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>Lower - 2.5% estimated</td>
</tr>
<tr>
<td></td>
<td>Upper - 12% estimated</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>70 - 90 psig @70°F estimated</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability
Material is stable under normal conditions.

10.3 Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4 Conditions to avoid
Avoid temperatures exceeding the flash point. This product may react with oxidizing agents. Do not mix with other chemicals.

10.5 Incompatible materials

10.6 Hazardous decomposition products
No hazardous decomposition products are known.

SECTION 11: Toxicological information

Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Narcotic effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td>Species</td>
</tr>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Guinea pig</td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td></td>
<td>LD50</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)</td>
</tr>
<tr>
<td>Acute</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>LD50</td>
</tr>
<tr>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
### Inhalation

**LC50** Rat  > 7.5 mg/l, 6 Hours
**LD50** Rat  > 4.6 mg/l, 4 Hours

### Oral

**LD50** Rat  > 500 mg/kg

### Methyl Acetate (CAS 79-20-9)

**Acute**

**LD50** Rat  > 2000 mg/kg, 24 Hours
**Inhalation**

**LC100** Rabbit  98.4 mg/l Hours

### Propane (CAS 74-98-6)

**Acute**

**Inhalation**

**LC50** Mouse  1237 mg/l, 120 Minutes
**RD50** Rat  1355 mg/l

### White Mineral Oil (CAS 8042-47-5)

**Acute**

**Dermal**

**LD50** Rabbit  > 2000 mg/kg, 24 Hours

### Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

### Serious eye damage/irritation

Causes serious eye irritation.

### Respiratory or skin sensitization

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Narcotic effects. Prolonged inhalation may be harmful.

### Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

### STOT-single exposure

Not classified.

### STOT-repeated exposure

Not classified.

### Aspiration hazard

Not likely, due to the form of the product.
### SECTION 12: Ecological information

**Toxicity**
Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel Polish &amp; Cleaner (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae IC50</td>
<td>Algae</td>
<td>1283.3676 mg/L, 72 Hours estimated</td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia</td>
<td>8543.2627 mg/L, 48 Hours estimated</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fish</td>
<td>8.2044 mg/L, 96 Hours estimated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>21.6 - 23.9 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50 Rainbow trout, donaldson trout</td>
<td></td>
<td>4740 - 6330 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

| Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8) | | |
|---------------------------------------------------------------|---------------------------------------|
| Aquatic Fish L C50                                             | Rainbow trout, donaldson trout        |
| (Oncorhynchus mykiss)                                          | (Oncorhynchus mykiss)                 |
|                                                               | 2.9 mg/l, 96 hours                   |

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Acetate (CAS 79-20-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Algae IC50</td>
<td>Algae</td>
<td>120.0001 mg/L, 72 Hours</td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia</td>
<td>1026.7 mg/L, 48 Hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>295 - 348 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

| Odorless Mineral Spirits (CAS 64741-65-7)       |                               |                                       |
| Aquatic Algae IC50                             | Algae                        | 30000 mg/L, 72 Ho                    |

| White Mineral Oil (CAS 8042-47-5)              |                               |                                       |
| Aquatic Fish LC50                              | Fish                         | 10000.0001, 96 Hours                  |

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**
No data is available on the degradability of this product.

**Bioaccumulative potential**
No data available.

**Mobility in soil**
No data available.

**Other adverse effects**
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13: Disposal considerations

**Disposal of the product**
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Disposal of contaminated packaging**
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.
Waste treatment
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

SECTION 14: Transport information

DOT (US)
UN Number: UN1950
Class: 2.1
Packing Group: Not available.
Proper Shipping Name: Aerosols, flammable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components
Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

Pennsylvania Right To Know Components
Distillates, petroleum, hydrotreated light, CAS-No. 64742-47-8
White mineral oil, CAS-No. 8042-47-5
Chemical name: 2-Propanone, CAS number: 67-64-1
Propane, CAS number: 74-98-6
Acetic acid, methyl ester, CAS number: 79-20-9

New Jersey Right To Know Components
Distillates, petroleum, hydrotreated light, CAS-No. 64742-47-8
White mineral oil, CAS-No. 8042-47-5
ACETONE, CAS number: 67-64-1
PROPANE, CAS number: 74-98-6
METHYL ACETATE, CAS number: 79-20-9

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.