Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name	**ProShine Plus**
Product number	09315
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
- Acute toxicity, inhalation, Cat. 5
- Carcinogenicity, Cat. 1A
- Germ cell mutagenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram

1. Flame; 2. Exclamation mark; 3. Health hazard; 4. Gas cylinder

Signal word **Danger**

Hazard statement(s)

H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H315	Causes skin 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)
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)
CAS no.	8042-47-5

3. Acetone

Concentration	10 - 20 % (By Weight)
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)
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)
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)

2. White mineral oil (CAS: 8042-47-5 EC: 232-455-8)
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

Appearance/form (physical state, color, etc.)	Aerosol
Odor	Not Available
Odor threshold	Not Available
pH	Not Available
Melting point/freezing point	Not Available
Initial boiling point and boiling range	62.28 °F (16.82 °C) estimated
Flash point	-156.00 °F (-104.44 °C) Propellant estimated
Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Upper/lower flammability limits	Lower - 2.5% estimated Upper - 12% estimated
Vapor pressure	70 - 90 psig @70F estimated
Vapor density	Not Available
Relative density	Not Available

Solubility(ies)	Not Available
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	488.23 °F (253.46 °C) estimated
Decomposition temperature	Not Available
Viscosity	Not Available
Explosive properties	Not Available
Oxidizing properties	Not Available

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
Acids. Strong oxidizing agents. Nitrates.

10.6 Hazardous decomposition products
No hazardous decomposition products are known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity **Narcotic effects**

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Guinea pig	> 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours
	Rabbit	> 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours
Inhalation		
LC50	Rat	55700 ppm, 3 Hours 132 mg/l, 3 Hours 50.1 mg/l
Oral		
LD50	Rat	5800 mg/kg 2.2 ml/kg

Components	Species	Test Results
Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
		> 2000 mg/kg, 24 Hours

Inhalation		
LC50	Rat	> 7.5 mg/l, 6 Hours > 4.6 mg/l, 4 Hours
Oral		
LD50	Rat	>500 mg/kg

Methyl Acetate (CAS 79-20-9)

Acute		
Dermal		
LD50	Rat	>2000 mg/kg, 24 Hours
Inhalation		
LC100	Rabbit	98.4 mg/l Hours
Oral		
LD50	Rat	6482 mg/kg

Propane (CAS 74-98-6)

Acute		
Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes 52%, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h

White Mineral Oil (CAS 8042-47-5)

Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	2..18 mg/l, 4 Hours
Oral		
LD50	Rat	5000.0001 mg/kg

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

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.

Product		Species	Test Results
Stainless Steel Polish & Cleaner (CAS Mixture)			
Aquatic			
Algae	IC50	Algae	1283.3676 mg/L, 72 Hours estimated
Crustacea	EC50	Daphnia	8543.2627 mg/L, 48 Hours estimated
Fish	LC50	Fish	8.2044 mg/L, 96 Hours estimated

Components		Species	Test Results
Acetone (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)			
Aquatic			
Fish L	C50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours

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