



SPECIALIZED LUBRICANTS

1. Substance/Product Identification

Product Name: 168 Ruststop Indoor
Company/Address: Schaeffer Mfg
102 Barton Street
Saint Louis, Missouri 63104
USA

Synonyms:

Preparation/Revision Date: 06/03/2011

Product Use/Type: Metal protection rust preventative

Emergency Phone Number: +1 314 865-4105 (24-hour response number)
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)
1-800-325-9962 (US & Canada)

Website: www.schaefferoil.com

MSDS Number: 168 Version 1.0

2. Hazards Identification

Appearance: tan to brown colored liquid

Odor: solvent odor

Principal Hazards: Warning! Combustible liquid. Keep away from heat, sparks and flame. Avoid breathing vapors. Harmful if inhaled and may cause delayed lung injury. Avoid contact with eyes, skin and clothing, Can cause severe irritation to the eyes and skin. May produce an allergic reaction if it products comes in contact with the skin.

**Hazardous Materials Information System
(U.S.A)**

Health: 1
Fire: 2
Reactivity: 0:

**National Fire Protection Agency System
(U.S.A.)**

Health: 1
Fire: 2
Reactivity: 0

See Section 11 for complete health hazard information

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3. Composition and Information on Ingredients

Hazardous Ingredients

Ingredient Name	CAS No.	EU Number	Percentage (by wt.)
Hydrotreated Light Distillates	64742-47-8	265-149-8	>85
Napthalenesulfonic acid, dinonyl, calcium salt-	57866-77-3	260-991-2	Proprietary Trade secret
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	70024-69-0	274-263-7	Proprietary Trade secret

4. First Aid Measures

Ingestion: Do not induce vomiting. Allow victim to rinse mouth and then drink 2 to 4 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention immediately

Eyes: Flush eyes with eyelids open with clear, clean water for 15 minutes. Seek medical attention immediately

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult administer oxygen

Skin: Immediately wash with soap and water. Rinse thoroughly. If irritation develops or persists seek medical attention immediately.

Additional Information: Treat symptomatically

5. Fire Fighting Measures:

Flash Point: >100°F (38°C) Tag Closed Cup

Extinguishing Media: Dry chemical, carbon dioxide, and foam

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Cool tank/containers with water spray. Fight fire from maximum distance, use extreme caution as heat may decompose material and rupture containers.

Unusual Fire & Explosion: Vapors may be heavier than air and travel along the ground to a distant ignition source and flash back. Containers may rupture upon heating.

Hazards: Hazardous gases or vapors produced in fire are carbon monoxide and smoke

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6. Accidental Release Measures

Spill Procedures and Clean up methods: Eliminate all sources of ignition. Absorb spills with absorbent clay or other absorbent material. Ventilate confined spaces. Dike spill to keep out of sewers, waterways and watercourses. Collect used absorbent material and discard as dictated by National, International, Federal, State, Provincial and local laws and regulations. Spills are very slippery and should be cleaned up promptly.

Personal Precautions: Wear appropriate personal protective equipment when cleaning up a spill

Environmental Precautions: U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to all applicable National, International, Federal, State, Provincial and local authorities and/or the United States National Response Center at (800) 424-8802 as appropriate or required

7. Handling & Storage

Handling: Avoid breathing vapors or mists. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow product. Do not eat, drink or smoke in work areas.

Storage: Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use. Store in a well ventilated area. Properly bond and ground containers and transferring equipment when transferring this product to different containers. Store as a combustible liquid, Store in accordance with National Fire Protection Association recommendations or applicable National, Provincial and local laws and regulations.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid and/or vapor) and can be dangerous. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. There may explode and cause injury or death. Empty containers should be completely drained, properly closed and promptly returned to a drum reconditioner or disposed of properly

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8. Exposure Controls and Personal Protection

Occupational Exposure Limits

Ingredient	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Hydrotreated Light Distillates	500 ppm		200 mg/m ³	
Napthalenesulfonic acid, dinonyl, calcium salt-	N/E		N/E	
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	N/E		N/E	

- (s)-Skin exposure
- (p) proposed limit
- (c) – Ceiling limit
- (l) Recommended exposure limit
- (u) supplier limit
- (N/E) – not established

Other Exposure Limits

Engineering Controls: Good general ventilation should be used. If applicable use process enclosures, local exhaust ventilation and other engineering controls to maintain airborne levels below recommended exposure limits.

Personal Protective Equipment

Gloves: Impervious oil resistant gloves such as Neoprene, Nitrile rubber

Protective Clothing: Apron and long sleeves recommended

Eye Protection: Chemical goggles or safety goggles

Respiratory Protection: None required under conditions of normal use. Use approved full face respirator with an organic cartridge if the recommended exposure limit is exceeded or when working with this material in a confined space. Use self-contained breathing apparatus for entry into confined spaces, for poorly ventilated areas and for cleaning up large spill cleanup sites

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9. Physical and Chemical Properties

Flash Point: >100°F (38°C) Tag Closed Cup

Specific Gravity: 0.7945

Upper Flammable Limit (UEL): Not determined

Lower Flammable Limit (LEL): Not determined

Vapor Pressure: Not determined

Vapor Density (air =1): >1

Percent Volatile: >85

Evaporation Rate: Not determined

pH: Not applicable

Boiling Point: IBP >300°F

Melting Point: Not applicable

Appearance: tan to brown colored liquid

Odor: solvent odor

Solubility in Water: insoluble

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified

10. Stability and Reactivity

Stability: Stable at normal temperatures and storage conditions

Materials to Avoid: Strong Oxidizers

Polymerization: Not expected to occur under conditions of normal use

Thermal Decomposition: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion

Conditions to Avoid: Product should not be exposed to sparks, flames or hot surfaces. Rapid gas evolution during decomposition may lead to bursting of containers and may be explosive if heated under confinement.

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11. Toxicological Information:

Routes of Exposure: Skin, eyes, ingestion and inhalation

Target Organs: skin, eyes and upper respiratory tract

Acute Exposure

Ingestion: Nausea, abdominal discomfort, diarrhea. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Eye Contact: Direct contact with eyes causes tearing, swelling, irritation and redness to lens and cornea

Skin Contact: Prolonged and repeated skin contact may cause redness, severe irritation and defatting of skin.

Inhalation: If product is misted or if vapors are generated from heating exposure may cause irritation of mucous membranes and the upper respiratory tract. Exposure to a high concentration of vapor or mist may be irritating.

Dermal Sensitization: This product is not expected to be a dermal sensitizer

Inhalation Sensitization: No product or data to indicate product or its components may be respiratory sensitizers

Carcinogenicity: This product does not contain any of the chemicals listed on the United States National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and United State's Occupational Safety and Health Administrations 29CFR 1910.10 Subpart Z List.

Ames Test: Negative. This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IRAC. All the oils in this product have been determined to contain less than 3% extractable by IP 346 test

Additional Toxicological Information:

Acute Toxicity (based on compositional data)

Acute Inhalation Toxicity: LC50 4 hours >5,000 mg/kg (rats)

Acute Oral Toxicity LD50: >5,000 mg/kg (rats)

Acute Dermal Toxicity: LD50: >2,000 mg/kg (rabbits)

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12. Environmental and Ecological Information

Ecotoxicity

This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming

Environmental Fate

Biodegradation: Expected to be inherently biodegradable. Biodegradation of the mineral spirits portion of this product is possible within 90 to 120 days in aerobic environments at temperatures above 70°F (21°C)

Bioaccumulation: Product has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability

Water Class Hazard (Germany): WK-2 according to appendix 4 VwVwS dated 27.7.2005

Do not allow product to reach ground water, water course or sewage system

13. Disposal Considerations

Waste Handling and Disposal: This product in its neat state when discarded or disposed of is not a hazardous waste according to Federal Regulations 40CFR 261.4 (b)(4).. Dispose of product in accordance with all applicable National, Federal, State, Provincial and local laws and regulations. Do not re-use empty containers

14. Transport Information

US DOT Classification Non-Bulk: UN1993, Flammable Liquids, N.O.S., (Mineral Spirits), 3, PG III

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IMDG Classification: UN1993, Flammable Liquids, N.O.S., (Mineral Spirits), 3, PG III

IATA/ICAO Classification: UN1993, Flammable Liquids, N.O.S., (Mineral Spirits), 3, PG III

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15. Regulatory Information

Hazard Symbols

EU



Xn Harmful



R10 Flammable

R38 Irritating to skin

R36/38 Irritating to eyes and skin

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R65 Harmful: may cause lung damage if swallowed

S2 Keep out of the reach of children

S23 Do not breathe gas/fumes/vapour/spray

S24 Avoid contact with skin

S25 Avoid contact with eyes

S26 in case of contact with eyes rinse immediately with plenty of water and seek medical advice

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S51 Use in well ventilated areas

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

H226 – Flammable liquid or vapor

H302 – Harmful if swallowed

H304- May be fatal if swallowed and enters airways

H312 – Harmful in contact with skin

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H411 – Toxic to aquatic life with long lasting effects

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15. Regulatory Information

Hazard Symbols

GHS



US Regulations

TSCA Inventory: All of the components in this material are on the US TSCA Inventory or are exempt.

State of California Proposition 65: This product does not contain any of the chemicals that have are know by the State of California as causing cancer and/or birth defects

US EPA SARA Title III and CERCLA Listings and Reportable Quantities

This product does not contain greater than 1% (greater than 0.1% for carcinogenic substances) of any chemical listed on the U.S. EPA's Section 313 Title III and CERCLA Lists

US EPA Section 311/313 Classifications

Acute	Chronic	Fire	Pressure	Reactivity
X		X		

US EPA Section 313 Chemicals

This product does not contain greater than 1% (greater than 0.1% for carcinogenic substances) of any chemical listed on the U.S. EPA's Section 313 Title III and CERCLA Lists

Product Name: 168 Ruststop Indoor

US Tariff Heading Number: 3811.90.0000

Schedule B Number: 3811.90.0000

Other Regulations:

Canada: All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

Canadian WHMIS Classifications and Symbols:

This product is a WHMIS controlled product. This product is a Class B-2 Combustible and a class D-2B material



EEC: All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC

16. Other Information

For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.**