

# Safety Data Sheet

Revision Date 05-17-2017  
Revision Number 26

## **Cosmoline**DIRECT World's Best Rust Preventative

### SECTION 1 Identification of the substance/mixture and of the company/undertaking

<b>Product identification used on label</b>	MIL-C-11796
<b>Product identifier</b>	MIL-SPEC COSMOLINE GREASE 11796
<b>Details of the supplier of the safety data sheet</b>	COSMOLINE DIRECT 30 ARDMORE IRVINE, CA 92602 (866) 802-2906 <a href="http://www.CosmolineDirect.com">www.CosmolineDirect.com</a>
<b>Emergency telephone number</b>	
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Chemtrec: (800) 255-3924 Corrosion Preventive Compound

### SECTION 2 Hazards identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard  
Symbols



<b>GHS Classification</b>	Skin Sensitisation Category 1 Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2 Hazardous to the aquatic environment - Acute Category 3 Hazardous to the aquatic environment - Chronic Category 3
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	May cause an allergic skin reaction May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
<b>Unclassified Hazards (HNOC):</b>	Molten material can cause thermal burns. When heated, the vapors/fumes given off may cause respiratory tract irritation.
<b>Precautionary Statements</b>	
<b>Prevention</b>	Do not breathe dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF ON SKIN: Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. Specific treatment: None known If skin irritation or rash occurs: Get medical advice/attention.

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**Disposal** Wash contaminated clothing before reuse.  
Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

## SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Phenyl-alpha-naphthylamine	90-30-2	0.5 - 1.5

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

## SECTION 4 First aid measures

<b>Inhalation</b>	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
<b>Eyes</b>	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. If burned by contact with hot material, molten material adhering to skin should be cooled as quickly as possible with water and see a physician for removal of adhering material and treatment of burn.
<b>Ingestion</b>	Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
<b>Most important symptoms/effects, acute and delayed</b>	See Section 11
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.

## SECTION 5 Firefighting measures

<b>Suitable extinguishing media:</b>	Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire.
<b>Unsuitable extinguishing media:</b>	No data available
<b>Fire and/or Explosion Hazards</b>	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
<b>Fire Fighting Methods and Protection</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use appropriate methods for the surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon, Oxides of nitrogen, Hydrocarbons, Sulfur oxides

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## SECTION 6 Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

### **Methods and materials for containment and cleaning up**

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

## SECTION 7 Handling and storage

### **Precautions for safe handling**

Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Avoid contact with molten material. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. When heated, the vapor/fumes given off may cause respiratory tract irritation.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not store in direct sunlight

### **Incompatible materials**

Strong oxidizing agents, Strong acids

## SECTION 8 Exposure controls/personal protection

### Control parameters

#### Chemical Name

#### ACGIH TLV

#### ACGIH STEL

#### OSHA PEL

No exposure limits in vapor form

### **Engineering Measures**

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

### **Respiratory Protection**

Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels.

### **Eye Protection**

Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. Have an eye wash station available.



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<b>Skin Protection</b>	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. When handling material that has been heated, wear chemically resistant thermally insulating gloves, chemical resistant apron, long sleeves and other clothing as necessary to protect against thermal burns.
<b>Gloves</b>	Heat insulating chemically resistant gloves

## **SECTION 9 Physical and chemical properties (Typical, not specification)**

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<b>Physical State</b>	Waxy Solid
<b>Color</b>	Amber
<b>Odor</b>	Slight Petroleum Type
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/freezing point, °C</b>	No data available
<b>Initial boiling point and boiling range, °C</b>	No data available
<b>Flash Point</b>	350 °F( 177 °C)
<b>Evaporation Rate</b>	>1 (n-Butyl Acetate=1)
<b>Flammability (Solid, Gas)</b>	No data available
<b>Lower Flammable/Explosive Limit, % in air</b>	No data available
<b>Upper Flammable/Explosive Limit, % in air</b>	No data available
<b>Vapor Pressure</b>	< 1 mmHg
<b>Vapor Density</b>	>1 (Air=1)
<b>Specific Gravity @ 25°C</b>	0.92
<b>Solubility in Water</b>	Negligible; 0-1%
<b>Octanol/Water Partition Coefficient</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	> 1500 cSt @ 40°C
<b>Volatiles, % by weight</b>	0.05
<b>VOC, Material, lb/gal</b>	0
<b>VOC, Material, grams/liter</b>	0.0
<b>VOC minus exempt solvents &amp; water, g/l</b>	0

## **SECTION 10 Stability and reactivity**

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<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under normal conditions. Hazardous polymerization will not occur.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Incompatible materials</b>	Strong oxidizing agents, Strong acids
<b>Hazardous decomposition products</b>	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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## SECTION 11 Toxicological information

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<b>Likely Routes of Entry</b>	Inhalation, Skin contact, Eye contact
<b>Target Organs Potentially Affected by Exposure</b>	Liver, Kidneys
<b>Chemical Interactions That Change Toxicity</b>	No chemical interaction known to affect toxicity.
<b>Medical Conditions Aggravated</b>	Skin contact may aggravate existing skin disease

### Immediate (Acute) Health Effects by Route of Exposure

<b>Inhalation Irritation</b>	Can cause minor respiratory irritation.
<b>Skin Contact</b>	May cause skin irritation. Allergic reactions are possible. May cause sensitization.
<b>Skin Absorption</b>	No absorption hazard expected in normal industrial use.
<b>Eye Contact</b>	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
<b>Ingestion Irritation</b>	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
<b>Ingestion Toxicity</b>	Harmful if swallowed.

### Long-Term (Chronic) Health Effects

<b>Carcinogenicity</b>	There are no carcinogenic ingredients present at or over 0.1%.
<b>Inhalation</b>	Upon prolonged and/or repeated exposure, can cause respiratory irritation.
<b>Skin Absorption</b>	Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.
<b>Ingestion</b>	Under normal industrial usage conditions, ingestion is highly unlikely.

### Component Toxicology Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Phenyl-alpha-naphthylamine	90-30-2	Oral LD50 Rat 1625 mg/kg

## SECTION 12 Ecological information

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<b>Overview</b>	No ecological information available
<b>Mobility</b>	No data
<b>Persistence</b>	No data
<b>Bioaccumulation</b>	No data
<b>Degradability</b>	No data

### Ecotoxicity Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Aquatic EC50 Crustacea</b>	<b>Aquatic ERC50 Algae</b>	<b>Aquatic LC50 Fish</b>
Phenyl-alpha-naphthylamine	90-30-2	LC50 (48 hr) Water flea 0.68 mg/L		LC50 (96 hr) Bluegill/Sunfish 0.82 mg/L

## SECTION 13 Disposal considerations

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<b>Waste Description for Spent Product</b>	Spent or discarded material is non-hazardous according to environmental regulations.
<b>Disposal Methods</b>	Dispose of in accordance with Local and National regulations.
<b>Waste Disposal Code(s)</b>	Not applicable

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## SECTION 14 Transport information

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**Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more** Non-Hazardous (Paraffin Wax, Solid)  
**Domestic Ground in vessels < 119 gal.** Non-Hazardous

## SECTION 15 Regulatory information

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### Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

Chemical Name	CAS #	Regulation	Percent
<b>No CERCLA-listed chemicals in this product.</b>		CERCLA	
<b>No 313-listed chemicals in this product.</b>		SARA 313	
<b>No SARA 302 EHS-listed chemicals in this product.</b>		SARA EHS	

## SECTION 16 Other information

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**Date**  
**Disclaimer** Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.  
**Version** Reviewed