



# SAFETY DATA SHEET

## Mineral Oil Spray

Part No. None Aerosol

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### SECTION 1 - IDENTIFICATION

**Product Identifier**

Product Number(s) *None*  
Product Name *Mineral Oil Spray*

**Other Means of Identification** *None*

**Recommended Use and Restrictions on Use**

Recommended Use *Zinc rich protective coating.*  
Restrictions on Use *None Identified*

**24 hr Emergency  
Phone Number**

**800-255-3924**  
(Chem-Tel)

MANUFACTURER DETAILS		SUPPLIER DETAILS	
Name	<i>Clearco Products, Inc.</i>	Name	<i>Clearco Products, Inc.</i>
Address	<i>15 York Road Willow Grove, PA 19090</i>	Address	<i>15 York Road Willow Grove, PA 19090</i>
Phone Number	<i>215-366-7860</i>	Phone Number	<i>215-366-7860</i>
Fax Number	<i>215-366-7862</i>	Fax Number	<i>215-366-7862</i>

### SECTION 2 - IDENTIFICATION

**Hazard Classification**

HEALTH HAZARDS		PHYSICAL HAZARDS			
Acute Tox. Oral <input type="checkbox"/>	Mutagenicity <input type="checkbox"/>	Unstable Explosive <input type="checkbox"/>	Refrigerated Liq. Gas <input type="checkbox"/>	Pyrophoric Solid <input type="checkbox"/>	
Acute Tox. Skin <input type="checkbox"/>	Carcinogenicity <input type="checkbox"/>	Explosive <input type="checkbox"/>	Flammable Liquid <input type="checkbox"/>	Emits Flammable Gas <input type="checkbox"/>	
Acute Tox. Inhalation <input type="checkbox"/>	Tox. to Reproduction <input type="checkbox"/>	Flammable Gas <input type="checkbox"/>	Flammable Solid <input type="checkbox"/>	Oxidizing Liquid <input type="checkbox"/>	
Skin Irritation <input type="checkbox"/>	STOT SE <input type="checkbox"/>	Aerosol <input checked="" type="checkbox"/>	Self-Reactive Sub. <input type="checkbox"/>	Oxidizing Solid <input type="checkbox"/>	
Eye Irritation <input type="checkbox"/>	STOT RE <input type="checkbox"/>	Oxidizing Gas <input type="checkbox"/>	Pyrophoric Liquid <input type="checkbox"/>	Organic Peroxide <input type="checkbox"/>	
Resp. Sensitization <input type="checkbox"/>	Aspiration Hazard <input type="checkbox"/>	Gas Under Pressure <input checked="" type="checkbox"/>	Self-Heating Substance <input type="checkbox"/>	Corrosive to Metal <input type="checkbox"/>	
Skin Sensitization <input type="checkbox"/>		<b>ENVIRONMENTAL HAZARDS (GHS Rev 3 Only)</b>			
		Aquatic Acute <input type="checkbox"/>	Aquatic Chronic <input type="checkbox"/>	Ozone Depleting <input type="checkbox"/>	

**Signal Word**

*Danger*

**Hazard Pictograms**



**Hazard Statements**

*Extremely flammable aerosol. Contains gas under pressure; may explode if heated.*

**Precautionary Statements**

**General** *Keep out of reach of children.*

**Prevention** *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.*

**Response** *None*

**Storage** *Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.*

**Disposal** *Dispose of contents/container in accordance with local regulations.*



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**Hazards Not Otherwise Classified** *None identified.*

**Unknown Acute Toxicity** *0 % by wt*

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

1	White Mineral Oil	0008042-47-5	60 - 100
2	Liauefied Petroleum Gas	0068476-86-8	15 - 40

\* Exact percentages of composition withheld as trade secret

### SECTION 4 - FIRST AID MEASURES

**Description of First-Aid Measures**

- General** *If exposed or concerned seek medical advice/attention.*
- Eye Contact** *Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.*
- Skin Contact** *Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.*
- Ingestion** *Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.*
- Inhalation** *Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.*
- First-Aid Responder Protection** *Wear adequate personal protective equipment based on the nature and severity of the emergency.*

**Most Important Symptoms and Effects, Both Acute and Delayed**

- Eye Contact** *Liquid contact may cause pain along with moderate eye irritation.*
- Skin Contact** *Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.*
- Ingestion** *Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.*
- Inhalation** *Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.*

**Indication of Immediate Medical Attention and Special Treatment**

- Notes to Physician** *Treat symptomatically.*
- Specific Treatments/Antidotes** *No information available.*
- Immediate Medical Attention** *No information available.*

### SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media**

- Suitable Extinguishing Media** *Water, CO2, dry chemical, or universal aqueous film forming foam*
- Unsuitable Extinguishing Media** *Water jet*

**Specific Hazards Arising from the Chemical or Mixture**

- Decomposition Products** *Oxides of carbon (CO, CO2), smoke, and/or vapors*
- Hazards from the Product** *CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may result in the container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.*

**Advice for Firefighters**

- Protective Actions** *Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.*
- Protective Equipment** *As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.*



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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

- For Non-Emergency Personnel** *No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.*
- For Emergency Responders** *Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.*

#### Environmental Precautions

- Precautions** *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

#### Methods and Materials for Containment and Cleaning Up

- Containment Procedures** *Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.*
- Cleanup Procedures** *Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.*
- Other Information** *Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.*
- Prohibited Materials** *Combustible absorbent material such as sawdust, use of equipment that may cause sparking.*

### SECTION 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

- General Handling Precautions** *KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.*
- Hygiene Recommendations** *Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.*

#### Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** *Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.*
- Incompatibilities** *Segregate storage away from materials indicated in Section 10*

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

##### Occupational Exposure Limits

ID	PEL	OSHA		IDLH	NIC SH		TLV	ACGIH		AIHA
		STEL	CEILING		STEL	CEILING		STEL	CEILING	
2	1000 ppm	-	-	2000 ppm	1000 ppm	-	-	1000 ppm	-	-

##### Biological Exposure Indices

-	-	-	-	-
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- Other Control Parameters** *Not Available*



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### Appropriate Engineering Control

#### Engineering Measures

Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

### Individual Protection Measures

#### Hygiene Considerations

Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.

#### Thermal Protection

This product does not present a thermal hazard.

#### Respiratory Protection

An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

#### Skin Protection

For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

#### Eye/Face Protection

Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

#### Other Protective Equipment

Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Physical Properties

Boiling Point	> 341.1 °C (646.0 °F)	Melting / Freezing Point	Not Determined
Flash Point, Liquid	> 173.9 °C (345.0 °F)	Flash Point, Propellant	-82.8 °C (-117.0 °F)
Explosive Limits	Not Determined	Autoignition Temperature, Liquid	356.6 °C (690.0 °F)
Flammability	Extremely Flammable Aerosol	Relative Density (H <sub>2</sub> O = 1)	0.736 g/cc
Molecular Weight	Not Available	Weight	6.144 lbs/gal
Vapor Pressure	45.98 psig	pH	Not Available
Vapor Density	Not Available	Evaporation Rate	Not Available
Form	Pressurized Product	Partition Coefficient	Not Available
Viscosity	Not Available	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion (ΔH <sub>c</sub> )	17,574.054 BTU/lb
Odor	Odorless	Water Solubility	Not Available
Appearance / Color	Clear colorless liquid	Decomposition Temperature	Not Available

### Air Quality Properties

Percent Volatile	30% Wt (40% Vol) Max	VOC Regulatory	1.843 lbs/gal (220.869 g/L)
Percent VOC	30% Wt (40% Vol) Max	VOC Actual	1.843 lbs/gal (220.869 g/L)
Percent HAP	0% Wt (0% Vol) Max	HAP Content	None
Solids/Non Volatile Content	70% Wt (61% Vol) Max	Maximum Incremental Reactivity	0.353 g O <sub>3</sub> /g
Global Warming Potential	2.400		

## SECTION 10 - STABILITY AND REACTIVITY

### Reactivity

No specific test data related to reactivity is available for this product or its ingredients.

### Chemical Stability

This product is stable.

### Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions are not expected to occur.

### Conditions to Avoid

Keep away from heat, sparks, flame, and red hot metal.

### Material Incompatibility

Chlorine Dioxide, Strong Oxidizing Agents

### Decomposition Productions

Oxides of Carbon may be formed depending on fire conditions.



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### SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Toxicity Estimates** (mixture)

Oral LD<sub>50</sub> 5000 mg/kg  
 Dermal LD<sub>50</sub> 2000 mg/kg  
 Inhalation LC<sub>50</sub> 215 mg/L 4-hour

**Acute Toxicity on Ingredients**

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>5000 mg/kg	rat	>2000 mg/kg	rabbit	>2180 mg/m3	4h	rat
3	-	-	-	-	658 mg/L	4h	rat

**Health Hazard Classification**

**Skin Corrosion / Irritation** Classification criteria not met  
**Eye Damage / Irritation** Classification criteria not met  
**Respiratory Irritation** Classification criteria not met  
**Respiratory / Skin** Classification criteria not met

**Sensitization**

**Germ Cell Mutagenicity** Classification criteria not met  
**Reproductive Toxicity** Classification criteria not met  
**STOT - Single Exposure** Classification criteria not met  
**STOT - Repeated Exposure** Classification criteria not met  
**Aspiration Hazard** Classification criteria not met

**Carcinogen Data**

ID	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	No	No	No	No	No	No

**Information on the Likely Routes of Exposure**

**Routes of Exposure** Skin contact, skin absorption, eye contact, inhalation

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms of Exposure** Asphyxia, Dizziness, Drowsiness

**Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure**

**Delayed Effects** No known delayed effects.  
**Immediate Effects** No known immediate effects.  
**Chronic Effects** Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal.  
**Medical Conditions Aggravated** May aggravate personnel with pre-existing disorders associated with any of the Target Organs.  
**Target Organs** Central Nervous System, Respiratory System

### SECTION 12 - ECOLOGICAL INFORMATION

**Acute Aquatic Toxicity**

ID	TYPE	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
		VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
1	LC50	>10 g/L	96h	-	-	-	-	-	-	-	-	-	



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### Ecological Data

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY		ThOD	BIOACCUMULATIVE POTENTIAL		MOBILITY
		BOD	COD		Pow / Kow	BCF	
1	24% / 28 days	-	-	-	-	-	-

### Other Adverse Effects

No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### Waste Disposal

Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

### Waste Disposal of Packaging

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

### Landfill Precautions

Not available

### Incineration Precautions

\*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\*

## SECTION 14 - TRANSPORTATION INFORMATION

### Transportation Information

UN Number  
Proper Shipping Name  
Hazard Class(es)  
Packaging Group  
Marine Pollutant  
Hazard Label(s)

### Ground Transportation (DOT)

UN1950  
Aerosols, Limited Quantity  
2.1  
—  
No



### Air Transportation (IATA)

UN1950  
Aerosols, Flammable, Limited Quantity  
2.1  
—  
No



### Ocean Transportation (IMDG)

UN1950  
Aerosols, Limited Quantity  
2.1  
—  
No



NMFC Shipping Information (United States only) *Compounds Lubricating*  
#50303 Class 55

## SECTION 15 - REGULATORY INFORMATION

### Federal Regulations

ID	TSCA LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312		CHRONIC	PRESSURE	CLEAN / IR ACT		CLEAN WATER ACT
								ACUTE				HAP	SOCMI	
1	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	-

### State Regulations

ID	CA	DE	MA	F E		MN	NJ	NY	PA	WA	WI	WV
	P-65	RQ	RTK CODES	TYPE	RQ	RTK	RTK	LAND	LISTED	PEL TWA	TABLE	TAP
-	-	-	-	-	-	-	-	-	-	-	-	-

## SECTION 16 - OTHER INFORMATION

### SDS Revision History

Revision 2, 10/01/2004, New MSDS format.  
Revision 3, 11/14/2013, Updated to GHS Version 4 Format.  
Revision 4, 07/07/2014, Added National Motor Freight Information (US only) to Section 14 at customer's request.  
Revision 5, 04/16/2015, Amended to GHS Version 3 Format.



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### SDS Compliance

*This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at [msds@chem-pak.com](mailto:msds@chem-pak.com)*

*OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200*

*Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3*

### Disclaimer of Liability

*The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.*