



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **SWGRS (Swage Grease)**

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Corrosion inhibitor.

Details of the supplier of the safety data sheet

Manufacturer • AFL Telecommunications

170 Ridgeview Circle
Duncan, SC 29334
United States
www.aflglobal.com

Telephone (General) • 1-864-433-0333

Emergency telephone number

Manufacturer • 1-800-866-3941 Ext. 5577 - USA

Manufacturer • 1-864-433-5577

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Not classified

Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

Other hazards

OSHA HCS 2012 • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to WHMIS

Classification of the substance or mixture

WHMIS • Not classified

Label elements

WHMIS • No label element(s) required

Other hazards**WHMIS**

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

- Material not considered to contain any hazardous components.

See Section 11 for Toxicological Information.

Section 4: First-Aid Measures

Description of first aid measures**Inhalation**

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion

- Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media**Suitable Extinguishing Media**

- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Media

- No data available.

Special hazards arising from the substance or mixture**Unusual Fire and Explosion Hazards**

- Some may burn but none ignite readily.

Hazardous Combustion Products

- May include, and are not limited to: oxides of carbon.

Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not walk through spilled material. Take proper precautions to minimize exposure by using appropriate personal protective equipment.

Emergency Procedures

- Keep unauthorized personnel away. Stay upwind.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.
Do not flush to sewer or allow to enter waterways.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Handle and open container with care. Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage

- Keep container/package tightly closed in a cool place.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for product or components.

Exposure controls

Engineering Measures/Controls

- Good general ventilation 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.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	A thick colorless to light yellow grease with a mild odor.
Color	Colorless to light yellow.	Odor	Mild odor.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	0.9 Water=1	Water Solubility	Negligible
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	> 1 Air=1
Evaporation Rate	No data available		
Flammability			
Flash Point	> 260 C(> 500 F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	Not flammable.		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excess heat. Incompatible materials.

Incompatible materials

- Oxidizers

Hazardous decomposition products

- May include, and are not limited to: oxides of carbon.

Section 11 - Toxicological Information

Information on toxicological effects

Component Name	CAS	Data
N-Phenylbenzenamine reaction products with 2,4,4-Trimethylpentene (1%)	68411-46-1	Acute Toxicity: orl-rat LD50:>5000 mg/kg; skn-rat LD50:>2000 mg/kg
Methylene bis(dibutylidithiocarbamate) (3%)	10254-57-6	Acute Toxicity: orl-rat LD50:16000 mg/kg; skn-rat LD50:>2000 mg/kg
GHS Properties		Classification
Acute toxicity		OSHA HCS 2012 • No data available

Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • No data available
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

- Acute (Immediate)** • Not a normal route of exposure.
- Chronic (Delayed)** • No data available.

Skin

- Acute (Immediate)** • May cause slight skin irritation in sensitive individuals.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • May cause mild irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • May cause stomach distress, nausea or vomiting.
- Chronic (Delayed)** • No data available.

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

Toxicity

- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- None

State Right To Know				
Component	CAS	MA	NJ	PA
N-Phenylbenzenamine reaction products with 2,4,4-Trimethylpentene	68411-46-1	No	No	No
Methylene bis (dibutylidithiocarbamate)	10254-57-6	No	No	No
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	No	No	No
Polymerized castor oil	70024-98-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
N-Phenylbenzenamine reaction products with 2,4,4-Trimethylpentene	68411-46-1	Yes	No	Yes	No	Yes
Methylene bis (dibutylidithiocarbamate)	10254-57-6	Yes	No	Yes	No	Yes

Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Yes	No	No	No	Yes
Polymerized castor oil	70024-98-5	Yes	No	No	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

Canada - WHMIS - Ingredient Disclosure List

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

Environment

Canada - CEPA - Priority Substances List

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed

- Polymerized castor oil 70024-98-5 Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Methylene bis(dibutylidithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed

- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Methylene bis(dibutyldithiocarbamate) 10254-57-6 Not Listed
- Siloxanes and Silicones, di-Me, reaction products with silica 67762-90-7 Not Listed
- N-Phenylbenzenamine reation products with 2,4,4-Trimethylpentene 68411-46-1 Not Listed
- Polymerized castor oil 70024-98-5 Not Listed

Section 16 - Other Information

Last Revision Date

- 04/October/2013

Preparation Date

- 04/October/2013

Disclaimer/Statement of Liability

- INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORITATIVE AND VALID; HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, CAN BE MADE.

Key to abbreviations

NDA = No data available