SAFETY DATA SHEET

Issuing Date 05-May-2015 **Revision Date** 13-December-2024 **Revision Number 3**

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **AFMT Anti-Friction Metal Treatment**

Other means of identification **PSL10010, PSL10020, PSL10225, PSL10040**

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Hydraulic systems, Power Transmission Equipment, Machine Tools, Heavy Chains and Pumps, Compressors, Generators and Pumps, Ball and Roller Bearings, Mining and Smelter Equipment, Gear Boxes, Injection Molding Machines, Railroad Equipment, Refineries and Oil Field Equipment, Paper and Pulp Mills.

Details of the supplier of the safety data sheet

Supplier Name GoldenWest Lubricants, Inc.
Supplier Address 1937 Mount Vernon Avenue
Pomona, CA 91768-3312
USA
Supplier Phone Number Phone:909-865-3081
Fax:909-865-4467
Supplier Email sds@gwlinc.com

Emergency telephone number

Chem-Trec(US & Canada) Phone: 800-424-9300
Chem-Trec (International) Phone: 703-527-3887 (Collect)

2. HAZARDS IDENTIFICATION

Classification
Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal word:
Warning

Hazard Statement:
Very toxic to aquatic life. Very toxic to aquatic life with long-term effects.

Appearance Amber **Physical State** Oil Viscous liquid **Odor** Hydrocarbons Oily

Precautionary Statements - Prevention
Obtain special instructions before use. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention. Collect spillage.

Precautionary Statements - Storage
Store away from incompatible materials.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)
None known.

Other information
Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight-%	EC Number
Alkanes, C14, chloro	198440-65-2	>60	
Distillates, hydrotreated heavy paraffinic	64742-54-7	>15	265-157-1

4. FIRST AID MEASURES

First aid measures

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.

Skin Contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation
Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion
Rinse mouth thoroughly. Do NOT induce vomiting. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use water fog, foam, dry chemical powder or carbon dioxide to extinguish flames.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient and could spread the fire.

Specific Hazards Arising from the Chemical
During fire, gases hazardous to health may be formed.

Hazardous Combustion Products
Highly dependent on combustion conditions, but normal combustion forms carbon dioxide and water vapor, and may produce oxides of carbon, sulfur hydrogen chloride and nitrogen. Incomplete combustion can produce carbon monoxide.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For Personal protection, see section 8 of the SDS.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Provide adequate ventilation. Should be handled in closed systems, if possible.. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible Products Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Distillates, hydrotreated heavy paraffinic	(ACGIH) Inhalable fraction ,5mg/m3 (TWA) (ACGIH) 5mg/m3 (TWA), 10mg/m3 (STEL) (OSHA Z1) Mist, 5mg/m3 (TWA) (OSHA Z1) 5mg/m3 (TWA)

Engineering Controls Use in a well-ventilated area

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 to an acceptable level.

Individual protection measures, such as personal protective equipment
Eye/Face Protection
Tight sealing safety goggles.

Skin and Body Protection
Wear protective gloves and protective clothing.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures
When using, do not eat, drink or smoke. 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.

Thermal Hazards
Wear appropriate thermal protective clothing, when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Oil, Viscous liquid, Liquid	
Appearance	Oily Liquid	
Color	Amber	
Odor	Hydrocarbons Oily	
Odor Threshold	No information available	
Property	**Values**	**Remarks Method**
pH	Unknown	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	>149 C / 300 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity(H^2O=1):	1.08 @ 15.6°C(Typical)	
Water Solubility	Insoluble in water	None known
Dynamic viscosity (cSt 100C)	4.91	None known
Dynamic viscosity (cSt 40C)	32.7	
Explosive properties	No data available	
Oxidizing Properties	No data available	
Density (lbs./gal):	9.08 to 9.33	

Other Information

Softening Point	No data available
VOC Content g/l)	No data available

10. STABILITY AND REACTIVITY

Reactivity
May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
Oxidizing agent.

Hazardous Decomposition Products
May cause dense smoke, oxides of carbon, hydrogen chloride, nitrogen, sulfur, and calcium.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	No adverse effects due to inhalation are expected.
Eye Contact	Direct contact with eyes may cause temporary irritation.
Skin Contact	May be irritating to the skin.
Ingestion	Do not ingest. Expected to be a low ingestion hazard.
Component Information	Specific test data for the substance or mixture is not available.

Information on toxicological effects

Symptoms	No information available.
Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Acute Toxicity

Chemical Name	Components	Species	Test Results	
Alkanes, C14, chloro (CAS 198840-65-2)	**Acute** **Dermal** *Liquid* DNEL	Human	0.0065 mg/kg, 8 hours	
Alkanes, C14, chloro (CAS 198840-65-2)	**Chronic** **Oral** *Liquid* LD50 NOAEL	Rodent Rat	15000 mg/kg 100 mg/kg, 90 days by body weight – target organ liver; Reproductive 1-generation study	

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

NTP (National Toxicology Program)

Reproductive Toxicity 400 mg/kg//day, produced internal hemorrhaging due to the inhibition of vitamin K uptake in rat dams and rat pups. The mode of action for the effect is likely due to a pre-existing vitamin K deficiency in the rodents. This result was not observed in the uterine lining of the rat dams where there was sufficient supply of vitamin K. In addition, the mode of action for the observed effects in rats is not equivalent to human exposure.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

12. ECOLOGICAL INFORMATION

Eco toxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	
Alkanes, C14,-chloro (CAS 198840-65-2)		96h LC50: > 0.1 mg/L (Lepomis macrochirus)		

Persistence and Degradability
No information available.

Bioaccumulation
No

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with product or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
California Hazardous Waste Codes	221

14. TRANSPORT INFORMATION

General Information	IMDG Regulated Marine Pollutant
DOT	Non-regulated
Proper Shipping Name	Non-regulated
Hazard Class	N/A
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
Proper Shipping Name	Non-regulated
Hazard Class	N/A
IMDG/IMO	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Alkanes, C14-17,Chloro)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	III
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established

15. REGULATORY INFORMATION

International Inventories

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory	Yes
United States and Puerto Rico	Toxic Substances Control Act (TSCA)	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

TSCA – All components of the mixture on the TSCA Section 8(b) Inventory are designated active.

SARA 302 Extremely Hazardous Substance Not regulated

SARA 313
Not regulated.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations
OSHA Specifically Regulated Substances(29 CFR 1910.1001-1050)
Not Listed.

California Proposition 65
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. OTHER INFORMATION

NFPA	**Health Hazards** 1	**Flammability** 1	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazards** 1*	**Flammability** 1	**Physical Hazard** 0	**Personal Protection** B

Chronic Hazard Star Legend * = Chronic Health Hazard

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Revision Note	No information available

Disclaimer

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End of Safety Data Sheet