Natural Geo SAE 15W40 Low Ash

Product Code 32107

MSDS Date 03/15/2008

1. Identification of the preparation and company

Preparation/Product Name	Natural Geo SAE 15W40 Low Ash
Product Code	32107
Company Name	LUBRICATING SPECIALTIES COMPANY 8015 PARAMOUNT BLVD. PICO RIVERA, CA 90660
Telephone No.	(562) 776-4000
24 hour Emergency Telephone No.	(800) 424-9300
General MSDS	(562) 776-4000

2. Hazard identification of the product

Warning

GHS Classification:

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	5	May be harmful if swallowed
Acute Toxicity (skin)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization	Not classified	Not applicable

(respiratory)		
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	No target organs for this category.
	2	lungs
	3	No target organs for this category.
Specific target organ systemic Toxicity (repeated exposure)	1	lungs, skin
	2	No target organs for this category.
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
Harmfulness to aquatic Environment (long term effect)	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases: Not Applicable

3. Composition/information on ingredients

Mixture : Yes

Ingredient	CAS Number	Concentration
Petroleum distillates, hydrotreated heavy paraffinic	064742-54-7	<90
Petroleum distillates, solvent-refined heavy paraffinic	064741-88-4	<5
Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']-	054261-67-5	<3

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)

4. First aid measures

Inhalation Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.

Eye Contact	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

5. Fire-fighting measures

Flash Point °C 225

Slightly Combustible. May release flammable vapors when heated above flash point.

Extinguishing Media	Carbon Dioxide, dry chemical, or foam. Avoid using water.
Combustion Products	Carbon monoxide and asphyxiants.
Special Fire Procedures	Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

6. Accidental release measures

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

7. Handling and storage

Handling	Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.
Storage	Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

8. Exposure controls and personal protection

Exposure Limits The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m3 for oil mists.

Ventilation	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves	Nitrile or neoprene gloves are recommended.
Eye Protection	Safety glasses, goggles, or face shield are recommended.
Respiratory Protection	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Clothing	Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

9. Physical and chemical properties

Appearance	BROWN OILY LIQUID	**Odor**	Petroleum Odor
Flash Point °C	>225	**Boiling Point °C**	>325
VOC %	NIL	**pH**	n/d
Specific Gravity	0.867	**Solubility in Water**	negligible
Vapor Pressure	<0.01 mmHg@20 °C	**Vapor Density**	Heavier than air.
Evaporation Point	less than ether		
Flammability	Materials classified as DOT Combustible Liquids (Flash Point > 141° F and < 200° F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.		

10. Stability and reactivity

Stability	Material is normally stable at ambient temperature and pressure.
Conditions to Avoid	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.
Polymerization	Will not occur.
Decomposition	Carbon dioxide, carbon monoxide.

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Petroleum distillates, hydrotreated heavy paraffinic	> 5,000, Rat - Category: NA	> 5,000, rabbit - Category: NA	-----
Petroleum distillates, solvent-refined heavy paraffinic	> 2,000, rat - Category: 5	> 2,000, rabbit - Category: 5	-----
Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']-	-----	-----	-----

Oral Toxicity Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

Eye Irritation Not expected to cause eye irritation.

Skin Irritation Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

Carcinogenicity

CAS Number	Ingredient		
064742-54-7	Petroleum distillates, hydrotreated heavy paraffinic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
064741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
054261-67-5	Zinc, bis[O,O-bis (dodecylphenyl) phosphorodithioato-S,S']-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No

12. Ecological information

This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

13. Disposal considerations

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

14. Transport information

See 49 CFR part 171.8 through 178.510

Proper Shipping Name Oil, n.o.s

Hazard Class Not regulated

UN No Not applicable

Packaging Group	Not applicable
Marine Pollutant	No
GHS Hazard Class	Not applicable
GHS Shipping Information	Not applicable
IMDG	Not Regulated

15. Regulatory information

TSCA: All components of this product are listed on the United States TSCA (Toxic Control Substance Act) Inventory.

RCRA: Not regulated

SARA 311/312 (>0.1%):	Not applicable
SARA 313 (>0.1%):	Not applicable
CERCLA (>0.1%):	Not applicable
Inventory - Canada - Non-Domestic Substances List (NDSL):	Not applicable
California Proposition 65 Cancer:	Not applicable
California Proposition 65 Developmental:	Not applicable
California Proposition 65 Female Reproductive:	Not applicable
California Proposition 65 Male Reproductive:	Not applicable

Inventory - Australia - Inventory of Chemical Substances (AICS):

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, solvent-refined heavy paraffinic

Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']-

Inventory - Japan Existing and New Chemical Substances (ENCS):

Petroleum distillates, hydrotreated heavy paraffinic ()

Petroleum distillates, solvent-refined heavy paraffinic ()

Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']- (3-2628)

Korean Existing Chemicals Inventory:

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, solvent-refined heavy paraffinic

Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']-

Inventory of Existing Chemical Substances in China:

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, solvent-refined heavy paraffinic

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, solvent-refined heavy paraffinic

Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']-

Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act : Not applicable

EU REACH: Annex XVII, Dangerous Substances and Preparations:

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, solvent-refined heavy paraffinic

Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):

Petroleum distillates, hydrotreated heavy paraffinic (265-157-1)

Petroleum distillates, solvent-refined heavy paraffinic (265-090-8)

Petroleum product additive ()

Zinc, bis[O,O-bis(dodecylphenyl) phosphorodithioato-S,S']- (259-048-8)

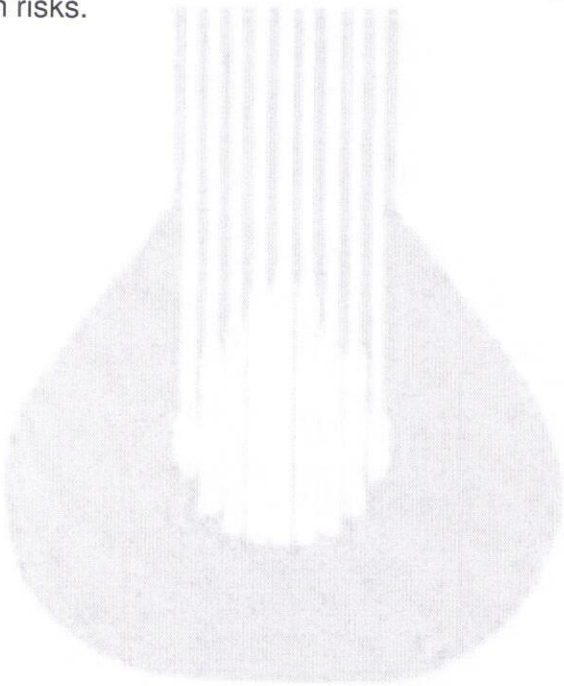
EU List of Notified Chemical Substances (ELINCS): Not applicable

Risk Phrases: Not Applicable

16. Other information

HMIS	**Health:**	1	**NFPA**	**Health:**	1
	Fire:	1		**Fire:**	1
	Physical Hazards:	0		**Reactivity:**	0

PPE: C

Special Hazards: ---

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