

Elgin Industries
Elgin World Trade
1100 Jansen Farm Drive
Elgin, IL 60123
Telephone: 800-323-6764
Fax: 847-742-2225

MATERIAL SAFETY DATA SHEET
Emergency Phone No. 1-800-238-5823

Elgin Industries		
PRODUCT TRADE NAME: Engine Armor ZDDP	PRODUCT CODE: ZDDP-4	
EFFECTIVE DATE: July 1, 2009		PAGE 1 OF 3

This Material Safety Data Sheet Contains Environmental, Health and Toxicology Information for Employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under Sara Title 111 and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

DOT Hazardous Classification: Not Regulated Grease or Oil – N.O.S.

NFPA Health Hazard: 1 Flammability: 1 Reactivity: 1 Personal Protection: B

SECTION 01 - HAZARDOUS INGREDIENTS

IF PRESENT, IARL, NTP AND OSHA CARCINOGENS AND CHEMICAL SUBJECT TO THIS REPORTING REQUIREMENTS OF SARA TITLE 111, SECTION 313 ARE IDENTIFIED IN THIS SECTION.

	CAS NUMBER	TLV	PEL	%
(NON HAZARDOUS)COMPONENT:				
PETOLEUM OIL	64741-96-4			50 TO 60
GRAPHITE POWDER	7782-42-5			1 TO 5
COPPER POWDER	7440-50-8			5 TO 10
PROPRIETARY COMPONENTS:				
	N.J.T.S.R.N.			
SYNTHETIC OIL	80100362-5004P			1 TO 5
	80100362-5012P			15 TO 20
	80100362-5013P			15 TO 20
	80100362-5014P			0.5 TO 1.0
	80100362-5018P			0.5 TO 1.0

SECTION 02-PHYSICAL DATA

WATER SOLUBILITY.....	INSOLUBLE	BOILING POINT, F.....	N/A
SP, GRAVITY.....	1.29	MELTING POINT, F.....	N/A
APPEARANCE & COLOR ...	COPPER COLOR SOFT	VOLATILE BY VOLUME, %.....	N/A
ODOR.....	PETROLEUM	VAPOR PRESSURE.....	N/A
EVAOPRATION RATE ...	N/A	VAPOR DENSITY.....	N/A

SECTION 03-FIRE AND EXPLOSION HAZARDS

FLASH POINT:(ASTM D92) C.O.C. 420 F UPPER FLAMMABLE LIMIT: N/D LOWER FLAMMABLE LIMIT: N/D

EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS OIL FIRE: USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE & EXPLOSIVE HAZARDS: NONE

SECTION 04-ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO BE TAKEN FOR SPILL/LEAKS: Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.

DISPOSAL METHOD: Disposal should be in compliance with federal, state, and local laws.

SECTION 05-HEALTH HAZARD DATA

CARCINOGENS: No carcinogens present

ROUTE OF ENTRY: Ingestion

EFFECTS OF OVEREXPOSURE: May cause irritation to eyes and skin on sensitive individuals.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes.

SKIN: Wash with soap and water. See physician if irritation persists.

INHALATION: Remove to fresh air. See physician if irritation persists.

ORAL: Call a physician. Do not induce vomiting. Keep warm.

ADDITIONAL: Prolonged or repeated contact may produce mild skin irritation and inflammation.

Personnel with pre-existing skin disorder should avoid contact.

SECTION 06-REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing agents, welding.

POLYMERIZATION: Will not occur

THERMAL DECOMPOSITION: Carbon Monoxide, Carbon Dioxide, Trace Sulfur Compounds

CONDITIONS TO AVOID: Do not heat above flash point.

SECTION 07-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Normally not needed.

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

EYE PROTECTION: Approved safety glasses or goggles

OTHER PROTECTION: Chemically resistant boots and apron recommended.

WORK/HYGIENIC PRACTICES: Use standard methods

SECTION 08-SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Avoid storage near open flame or other sources of ignition.

Spills may cause slippery floors. Proper footwear required.

Remove contaminated clothing and launder before reuse.

Wash hands with soap and water before eating, drinking or smoking.

Discard contaminated leather gloves and shoes.

Elgin Industries

PRODUCT TRADE NAME: Engine Armor ZDDP

PRODUCT CODE: ZDDP-4

EFFECTIVE DATE: July 1, 2009

PAGE 3 OF 3

The above information is based on the data of which we are aware and believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

May be used to comply with OSHA'S Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/D - Not Determined N/A - Not applicable < - Less Than > - Greater Than

ZDDP-4MSDS