

MATERIAL SAFETY DATA SHEET
Required under USDL Safety and Health Regulations

SECTION I - CHEMICAL COMPANY AND PRODUCT IDENTIFICATION

POWER SERVICE PRODUCTS

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Product Name: DIESEL FUEL SUPPLEMENT – ADVANCED FORMULA
Synonyms: DIESEL FUEL ADDITIVE
Generic/Chemical Name: HYDROCARBONS, ORGANIC NITROGEN COMPOUNDS
MSDS Preparation Date: April 9, 2003 - supersedes February 10, 2003
Emergency Phone Number: 800/424-9300

SECTION II - COMPOSITION/INFORMATION OF INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>
HYDROCARBONS	40 – 60
HYDROXY COMPOUNDS	10 - 20
ORGANIC NITROGEN COMPOUNDS	5 - 40

This product is a proprietary complex mixture of petroleum Hydrocarbons, Hydroxy Compounds and Organic Nitrogen Compounds. Specific chemical information is being withheld as a Trade Secret. Specific chemical information will be made available to health professionals in accordance with 29 CFR 1910.1200.

SECTION III - HAZARD IDENTIFICATION

EMERGENCY AND FIRST AID PROCEDURES: If overcome by vapors, remove from exposure immediately; call a physician. If breathing is irregular or stopped, start resuscitation, administer oxygen. If swallowed, do not induce vomiting; call a physician. Remove contaminated clothing and wash skin with soap and water. Flush eyes with water until irritation subsides.

PRIMARY ROUTE (S) OF ENTRY: INGESTION AND INHALATION

VARIABILITY AMONG INDIVIDUALS: Health Studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists and fumes should be minimized.

NATURE OF HAZARD AND TOXICITY INFORMATION: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis; however, based on human experiences and available toxicological data, this product is judged to be neither a “corrosive” nor an “irritant”.

PAGE 2: DIESEL FUEL SUPPLEMENT – ADVANCED FORMULA

Potential risk to humans can be minimized by observing good work practices and personal hygiene procedures generally recommended for petroleum products. The product has a low order of acute toxicity, but minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury or death.

SECTION IV - FIRST AID MEASURES

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes and launder before re-use.

INHALATION: Using proper respiration protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION: If swallowed do not induce vomiting. Keep at rest. Get prompt medical attention.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT105°F (TCC)

FLAMMABLE LIMITS: lower1 upper7

EXTINGUISHING MEDIA: Alcohol resistant foam, dry chemical, CO₂, waterspray or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied rescue equipment for enclosed areas. Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not store or mix with strong oxidants or combustible liquids.

EMPTY CONTAINERS CONTAIN COMBUSTIBLE VAPORS: “DO NOT USE CUTTING TORCH EQUIPMENT OR ANY OTHER FLAME ON ANY EMPTY CONTAINER”.

SECTION VI - ACCIDENTAL RELEASE PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all ignition sources. Keep people away. Recover free liquid. Add absorbent to spill area. Avoid breathing vapors. Ventilate enclosed spaces. Open all windows and doors. Keep petroleum products out of public sewers, streams and waterways.

WASTE DISPOSAL METHOD: Typical disposal is by supervised incineration in a furnace or in a chemical disposal area in compliance with Federal, State and Local Law.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed. Keep away from heat, sparks and open flames.

CONTAINERS ARE STRICTLY “SINGLE TRIP CONTAINERS.” THEY ARE NOT TO BE USED FOR ANY REASON AFTER BEING EMPTIED.

PAGE 3: DIESEL FUEL SUPPLEMENT – ADVANCED FORMULA

OTHER PRECAUTIONS: Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; wash before re-use. Wash skin with soap and water after contact.

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA				ACGIH	
TWA		STEL		TWA	
PPM	MgM3	PPM	MgM3	PPM	MgM3
400	1600	500	2000	450	1600
Carcinogen - NTP ProgramN/A					
Carcinogen - IARC ProgramN/A					

EFFECTS OF OVEREXPOSURE: Avoid breathing vapor. Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact will dry and defat the skin leading to irritation and dermatitis.

RESPIRATORY PROTECTION (Specify type): Organic vapor respirator (Hydrocarbon) or supplied-air hose if needed.

VENTILATION:

LOCAL EXHAUST	Face velocity > 60 fpm
MECHANICAL (General)	Explosion - proof ventilation equipment.
SPECIAL	Use only with adequate ventilation.
OTHER	No smoking or open flames.

PROTECTIVE GLOVES: Normally not needed. Use chemical resistant PVC coated gloves if necessary.

EYE PROTECTION: Normally not needed, however chemical goggles, face shield or safety glasses are recommended.

OTHER PROTECTION EQUIPMENT: Organic (Hydrocarbon) insoluble apron if needed.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	300°F
VAPOR PRESSURE (mmHG).....	5 @ 70°F
VAPOR DENSITY (AIR =1).....	>1
SOLUBILITY IN WATER	partial
SPECIFIC GRAVITY (H2O =1)92
PERCENT, VOLATILE BY VOLUME (%)	90
Evaporation Rate.....	not available
APPEARANCE	brown
ODOR	solvent

SECTION X - STABILITY AND REACTIVITY

STABILITY	Stable
INCOMPATIBILITY (Materials to avoid)	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	Will not occur
HAZARDOUS POLYMERIZATION	Will not occur

CONDITIONS TO AVOID:

1. Prolonged or repeated breathing of vapors
2. Contact with eyes
3. Prolonged or repeated contact with skin

SECTION XI - TOXICOLOGICAL INFORMATION

This product contains the following chemicals that are subject to the reporting requirements of EPCRA Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (40 CFR Part 372). Concentration does not exceed specified upper bound.

<u>CAS Number</u>	<u>Chemical Name</u>	<u>Range %</u>
108-05-4	Vinyl acetate	0.0 – 0.3

SECTION XII - ECOLOGICAL INFORMATION

THIS PRODUCT DOES NOT CONTAIN ANY OZONE DEPLETING CHEMICALS

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: This product, if discarded, may become a hazardous waste under CERCLA.

Typical disposal is by supervised incineration in a furnace or in a chemical disposal area in compliance with Federal, State and Local Law.

SECTION XIV - TRANSPORTATION INFORMATION

Part #1016 - 16 oz. (cases)
Part #1025 - 32 oz. (cases)
Part #1041 - 96 oz. (cases)
Part #1050 – 2.5 gal. (cases)
Part #1055 – 55 gal. (drums)
Not regulated by the DOT
49CFR173.150(f)(1)(2)

Part #1260 - 260 gal. (totes)

PROPER SHIPPING NAME: **COMBUSTIBLE LIQUID, N.O.S., (HYDROCARBONS)**

HAZARD CLASS: **COMBUSTIBLE LIQUID**

I.D. NUMBER: **NA1993**

PACKING GROUP: **III**

PLACARDING: **COMBUSTIBLE LIQUID**

IATA:

Packaging not suitable to be shipped by Air.

IMDG:

PROPER SHIPPING NAME: **FLAMMABLE LIQUID, n.o.s. (Hydrocarbons)**

MARINE POLLUTANT(2-ethylhexyl nitrate)

HAZARD CLASS: **3**

I.D. NUBER: **UN1993**

PACKING GROUP: **III**

PLACARDING: **FLAMMABLE LIQUID**

SECTION XV - REGULATORY INFORMATION

RIGHT TO KNOW TIER II REPORTING INFORMATION SECTION 311-312

CHEMICAL DESCRIPTION: **HYDROCARBONS, ORGANIC NITROGEN COMPOUNDS
AND HYDROXY COMPOUNDS**

COMMON (LABEL) NAME: **DIESEL FUEL SUPPLEMENT – ADVANCED FORMULA**

TYPE OF PRODUCT: **MIX - LIQUID**

PHYSICAL HAZARD: **FIRE**

HEALTH HAZARD: **IMMEDIATE (ACUTE)**

REACTIVITY: **NONE**

EXTREMELY HAZARDOUS SUBSTANCES: **NONE**

NFPA RATING:

HEALTH: **2**

FIRE: **2**

REACTIVITY: **0**