

Material Safety Data Sheet

Abbreviations used on this Material Safety Data Sheet:
 n/ap. = not applicable ppm = parts per million
 3 = High 2 = Moderate 1 = Slight

n/av. = not available
 NFPA Hazard Rating: 4 = Extreme

TLV= Threshold Limit Value
 0 = None X = blank

WHMIS HAZARD:

NFPA HAZARD RATING:

B-3, D-1B

HEALTH - 2, FLAMMABILITY - 2, REACTIVITY - 0

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER	ProDiesel Proclean D-2	PART NUMBER	
PRODUCT USE	Fuel Additive		
MANUFACTURER NAME	Fuel Power Corporation	SUPPLIER NAME	ProDiesel
STREET ADDRESS	4521 Saratoga Avenue	STREET ADDRESS	318 Fesslers Lane
CITY	San Diego	STATE	CA
		CITY	Nashville, TN
ZIP CODE	92107	TELEPHONE NUMBER	(800) 895-5804
		POSTAL CODE	37210
		TELEPHONE NUMBER	800-327-4373

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LETHAL DOSE (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LETHAL CONCENTRATION (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
2-butoxyethanol	60-100	111-76-2	560 mg/kg (rat, oral)	500 ppm/4hr. (rat, inhalation)

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE	Liquid	ODOR AND APPEARANCE	Characteristic solvent odor. Clear.		ODOR THRESHOLD	n/av.	
VAPOR PRESSURE	0.76	VAPOR DENSITY	4.1	EVAPORATION RATE	0.1	BOILING POINT	171 C
						FREEZING POINT	n/av.
pH	n/ap.	SPECIFIC GRAVITY	0.90	COEFFICIENT OF MATERIAL DISTRIBUTION	Soluble in water		

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY IF YES, UNDER WHICH CONDITIONS?	Vapors form explosive mixture in air when between flammability limits. Vapor is heavier than air and may collect in low areas and travel over some distance.		
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
MEANS OF EXTINCTION	Carbon dioxide, dry chemical powder, alcohol foam.		
SPECIAL PROCEDURES	Fire fighters must wear self-contained breathing apparatus and full protective gear. Use water spray to cool containers below flash point.		
FLASHPOINT AND METHOD	62C TCC	UPPER FLAMMABILITY LIMIT	12.7
		LOWER FLAMMABILITY LIMIT (% BY VOLUME)	1.1
AUTOIGNITION TEMPERATURE	238 C	HAZARDOUS COMBUSTION PRODUCTS	Oxides of carbon
EXPLOSION DATA	SENSITIVITY TO IMPACT Probably not sensitive to impact.		
	SENSITIVITY TO STATIC DISCHARGE Probably not sensitive to static charge.		

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY. IF NO, UNDER WHICH CONDITIONS?	Normally stable to heat, light, and air.
YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>
INCOMPATIBILITY WITH OTHER SURFACES. IF YES, WHICH ONES?	Avoid strong oxidizing agents and strong bases. Will attack some forms of plastic, rubber, and coatings.
YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>
FLAMMABILITY IF YES, UNDER WHICH CONDITIONS?	Hazardous polymerization will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon upon thermal decomposition.

PRODCUT IDENTIFIER **Prodiesel Proclean D-2**

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTIONS EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

High vapor concentrations may cause respiratory tract and eye irritation, nausea, and signs of central nervous system depression (headache, drowsiness, dizziness, loss of coordination and fatigue). Contact with liquid can cause mild skin irritation and severe eye irritation. Toxic by ingestion, inhalation, and skin absorption. Aspiration hazard if swallowed. Can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

EFFECTS OF CHRONIC EXOSURE TO PRODUCT

Prolonged or repeated skin contact can cause dermatitis. Prolonged or repeated overexposure may cause liver, kidney, or blood damage..

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
ACGIH TLV-TWA = 25 ppm OSHA PEL of 50 ppm, TWA	As above.	Not identified.	Not listed by IARC, NTP, OSHA.
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
2-butoxyethanol caused developmental toxicity in laboratory animals.	Not identified.	Not identified.	Not identified.

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY)	RESPIRATOR (SPECIFY)	EYE (SPECIFY)
Butyl rubber or Saranex are recommended.	Not normally required under adequate ventilation conditions. NIOSH recommends for concentrates up to 50 ppm, a chemical cartridge respirator with organic vapor cartridge.	Safety glasses or goggles. Do not wear contact lenses.
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Impervious boots.	Coveralls or other protective clothing.	Eye wash station and safety shower in area

ENGINEERING CONTROLS (SPECIFY VENTILATION, ENCLOSED PROCESS)

Use of combination of local exhaust and dilution ventilation to keep exposure below exposure limit..

LEAK AND SPILL PROCEDURE

Eliminate all sources of ignition. Wear appropriate personal protective equipment. Contain spill with dikes and absorbent materials. Collect in suitable closed container.

WASTE DISPOSAL

Follow all local, provincial, and national regulations.

HANDLING PROCEDURES AND EQUIPMENT

Ground all transfer containers to prevent static accumulation.

STORAGE REQUIREMENTS

Store in a cool, dry place away from all sources of ignition and incompatible materials. Keep container tightly closed when not in use. Keep away from children.

SPECIAL SHIPPING INFORMATION

Consumer Commodity exemption may apply. See TDG Regulations.

TDG. UN NUMBER

n/ap.

SECTION 8 – FIRST AID MEASURES

SPECIFIC MEASURES

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water for 20 minutes. Launder clothing before reuse. Seek medical attention if irritation occurs.

EYE CONTACT: Immediately flush eyes with water for 20 minutes while retracting eyelids. Seek medical attention.

INGESTION: Do not induce vomiting. If victim is conscious, have them drink 300 ml of water to dilute ingested material. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

INHALATION: Remove victim to fresh air. Use artificial respiration if victim has stopped breathing. Seek immediate medical attention.

SECTION 9 – PREPARATION DATE OF MSDS

PREPARED BY	PHONE NUMBER	DATE
Fuel Power Marketing Corporation U.S.A. using the CCINFO database.	Fuel Power Marketing Corporation (800) 895-5804 t (800) 383-5797 f	August 10, 2012

DISCLAIMER

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in the use of this material.

