

# Material Safety Data Sheet

Abbreviations used on this Material Safety Data Sheet:  
n/av. = not available      n/ap. = not applicable      ppm = parts per million      TLV= Threshold Limit Value  
NFPA Hazard Rating:      4 = Extreme      3 = High      2 = Moderate      1 = Slight      0 = None      X – blank

WHMIS HAZARD:      NFPA HAZARD RATING:  
HEALTH – 2, FLAMMABILITY – 2, REACTIVITY – 0 G      HEALTH – 2, FLAMMABILITY – 2, REACTIVITY - 0

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER	Diesel Power Year Round Treatment	PART NUMBER	MCNHDP
PRODUCT USE	Diesel Additive		
MANUFACTURER NAME	Fuel Power Corporation	SUPPLIER NAME	Case New Holland
STREET ADDRESS	4521 Saratoga Avenue	STREET ADDRESS	621 State Street
CITY	San Diego      STATE      CA	CITY	Racine      WI
ZIP CODE	92107      TELEPHONE NUMBER      (800) 895-5804	POSTAL CODE	53406      TELEPHONE NUMBER      (262) 636-6281

## 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)
Glycol ether	>95	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 to hazy amber.	ODOR THRESHOLD	n/av.
VAPOR PRESSURE @20 C	.6	VAPOR DENSITY	>1	EVAPORATION RATE	<Butyl Acetate
				BOILING POINT	>335
pH	n/ap.	SPECIFIC GRAVITY	.89	COEFFICIENT OF MATERIAL DISTRIBUTION	Partially soluble

## 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"/>		Note: although material is combustible, it is not considered flammable by current US D.O.T. criteria.	
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		UPPER FLAMMABILITY LIMIT	LOWER FLAMMABILITY LIMIT
154 F		10.6	(% BY VOLUME) 1.1
AUTOIGNITION TEMPERATURE		HAZARDOUS COMBUSTION PROCUTS	Oxides of carbon
N/av.			
EXPLOSION DATA			
SENSITIVITY TO IMPACT		SENSITIVITY TO STATIC DISCHARGE	
Probably not sensitive to impact.		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 and strong acids.  YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>				
FLAMMABILITY IF YES, UNDER WHICH CONDITIONS?	Hazardous polymerization will not occur.				
HAZARDOUS DECOMPOSITION PRODUCTS	Combustion may produce carbon monoxide, carbon dioxide, smoke, aldehydes and other reactive hydrocarbons, and other products of incomplete combustion.				

PRODCUT IDENTIFIER		Diesel Power Year Round Treatment	
SECTION 6 – TOXICOLOGICAL PROPERTIES			
ROUTE OF ENTRY		SKIN CONTACT <input checked="" type="checkbox"/>	SKIN ABSORPTIONS <input checked="" type="checkbox"/>
		EYE CONTACT <input checked="" type="checkbox"/>	INHALATION <input checked="" type="checkbox"/>
		INGESTION <input checked="" type="checkbox"/>	
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
<p><b>Swallowing:</b> Moderate toxicity. May cause central nervous system depression (e.g. headache, general weakness, dizziness, drowsiness, unconsciousness), irritation of the gastrointestinal lining, vomiting, nausea, diarrhea, and abdominal pain. Swallowing large amounts may be harmful. Symptoms may include blood abnormalities (red blood cell hemolysis), kidney or liver damage and coma.</p> <p><b>Skin Absorption:</b> Skin absorption is possible. Effects may include those described for swallowing. Prolonged or extensive contact may result in the absorption of potentially harmful amounts of material.</p> <p><b>Inhalation:</b> Short-term single exposure toxicity is moderate. Headache, nausea, vomiting, dizziness and drowsiness and other central nervous system effects may occur. Exposure to high vapor concentrations or prolonged exposure to lesser concentrations may be harmful. Symptoms include irritation of the respiratory tract, eyes and throat, stupor, nasal discomfort and discharge, possible chest pain and coughing.</p> <p><b>Breathing of vapors</b> may aggravate asthma and inflammatory or fibrotic pulmonary disease.</p> <p><b>Skin Contact:</b> Brief contact may cause mild skin irritation, possibly with itching or local redness. Prolonged contact may cause more severe irritation, with discomfort or pain and dermatitis (redness, edema, drying, defatting and cracking of the skin), and may also result in skin absorption.</p> <p><b>Eye Contact:</b> Exposure to liquid or high concentrations of vapors may be severely irritating to the eyes. Symptoms include discomfort, pain, excessive blinking and tear production, marked excess redness and swelling of the conjunctiva, and risk of irreversible damage to the eyes.</p>			
EFFECTS OF CHRONIC EXOSURE TO PRODUCT			
<p>Acute lethal-exposure animal studies of the glycol ether have resulted in congestion of organs including kidney, spleen and lungs. Fetal harm occurs only at exposure levels harmful to the pregnant animal. Simple animal overexposure studies of the same material have reported mild, reversible effects to liver and kidney, and red blood cell hemolysis, however humans appear resistant to this effect. Health experts may disagree as to the significance of this data.</p>			
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
Glycol Ether 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)	
Nitrile or neoprene are recommended. Test gloves for permeability before relying on them.	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			
Evacuate all non-essential personnel. Personal Protective Equipment appropriate to the nature of the spill must be worn. Remove sources of ignition. Ventilate spill area. Stop spill at source. Prevent entry into sewers and waterways. Collect free liquid for disposal. Residual liquid may be absorbed using inert material. Transfer contaminated absorbent, soil, etc. into containers for disposal. Spills may be reportable under CERCLA, SARA or DOT criteria, depending on quantities involved.			
WASTE DISPOSAL			
Follow all local, provincial, and national regulations.			
HANDLING PROCEDURES AND EQUIPMENT			
<p>Keep product and container away from potential sources of ignition. Do not subject to excessive heat. Keep out of reach of children. Do not contaminate foodstuffs by storage or use of this material. Do not mix with other chemicals except under the direct supervision of a chemist or technically trained supervisor. Open container only in a well-ventilated area. Do not breathe fumes or vapors. Keep containers tightly closed when not in use. Wash thoroughly after handling, and particularly before eating, drinking or smoking. Do not transfer to unmarked containers.</p> <p><b>WARNINGS: HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION. COMBUSTIBLE. SWALLOWING LARGE QUANTITIES MAY CAUSE RED BLOOD CELL DAMAGE.</b></p> <p><b>Special Precautions:</b></p> <p><b>WARNING!!</b> Sudden releases of hot organic vapors or mists from equipment operating elevated temperature and pressure, or sudden ingress of air into vacuum equipment may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.</p> <p><b>NOTICE:</b> Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.</p>			

<b>PRODCUT IDENTIFIER</b>		<b>Diesel Power Year Round Treatment</b>	
<b>STORAGE</b>			
<b>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.</b>			
<b>SPECIAL SHIPPING INFORMATION</b>		<b>TDG. UN NUMBER</b>	
Consumer Commodity exemption may apply. See TDG Regulations.		n/ap.	
<b>SECTION 8 – FIRST AID MEASURES</b>			
<b>SPECIFIC MEASURES</b>			
<b>SKIN CONTACT:</b> Remove contaminated clothing. Wash thoroughly with soap and water for 20 minutes. Launder clothing before reuse. Discard shoes or other leather articles saturated with the product. Seek medical attention if irritation occurs.			
<b>EYE CONTACT:</b> Immediately flush eyes with water for 20 minutes while retracting eyelids. Seek medical attention.			
<b>INGESTION:</b> If patient is fully conscious, give two glasses of water. Place individual on left side with the head down. If individual is conscious, it is permissible to induce vomiting by giving syrup of ipecac or by gently placing 2 fingers at the back of the throat. Obtain immediate medical attention. Never give anything by mouth if person is unconscious or drowsy..			
<b>INHALATION:</b> Remove victim to fresh air. Use artificial respiration if victim has stopped breathing. Seek immediate medical attention.			
<b>SECTION 9 – PREPARATION DATE OF MSDS</b>			
<b>PREPARED BY</b>		<b>PHONE NUMBER</b>	
Fuel Power Marketing Corporation U.S.A. using the CCINFO database.		Fuel Power Marketing Corporation (800) 895-5804 t (800) 383-5797 f	
		<b>DATE</b>	
		August 10, 2012	
<b>DISCLAIMER</b>			
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.			