

Material Safety Data Sheet

Hydroxyethyl Cellulose (HEC)

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hydroxyethyl Cellulose (HEC)
Chemical Name: HYDROXYETHYL CELLULOSE
Chemical Family: CELLULOSE
Chemical Formula:
Synonyms: ETHYL HYDROXYETHYL CELLULOSE, HETASTARCH, NATROSOL

Date Revised: 7/2010
CAS#: 9004-62-0

NFPA Properties: Health: 0 Flammability: 0 Reactivity: 0 Contact: 1

Supplier:

NOV FluidControl

4310 N. Sam Houston Parkway E
Houston, TX 77032
Office: (713) 482-0500
Fax: (713) 482-0695
Company website: www.nov.com

Emergency Telephone Number:

CHEMTREC: 1-800-424-9300 or International +1-703-527-3887

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	TWAPPM	TWA MG/M ³	TLV's (ACGIH)		CAS#	OTHER LIMITS	%
			STEL PPM	STEL MG/M ³			
1.							
2.							
3.							

III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point °F: N/A	Color: WHITE TO BEIGE
Specific Gravity: 1.33	Odor: NONE
Vapor Pressure: N/A	Appearance: POWDER
Percent Volatility: 0	pH:
Vapor Density: N/A	Viscosity: N/A
Evaporation Rate: N/A	Activity: N/A
Solubility In Water: SOLUBLE	LC50: NDA
Melting Point °F: N/A	LD50: 10 GM/KG

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IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: FOAMS, POWDERS, WATER OR OTHER CONVENTIONAL MEANS

Flash Point °F: >302F

Flammable Limits: N/A

LEL: .6 UEL: .8

Special Firefighting Procedures: FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELFCONTAINED (POSITIVE PRESSURE IF AVAILABLE) BREATHING APPARATUS WITH FULL FACEPIECE. MOVE EXPOSED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK.

Unusual Fire & Explosion Hazards: NONE

Toxic Gases Produced: CARBON DIOXIDE, CARBON MONOXIDE

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: Skin: Ingestion:

Effects of Overexposure: DUST MAY IRRITATE EYES

Toxicological Properties: NDA

Chronic & Acute Effects of Overexposure:

Carcinogenicity: NTP: NO IARC Monographs: NO OSHA Regulated: NO

Emergency First Aid Procedures

Eyes: IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN.

Skin Contact: FLUSH WITH LARGE AMOUNTS OF SOAP & WATER FOR 15 MINUTES.

Inhalation: REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL A PHYSICIAN.

Ingestion: CALL A PHYSICIAN.

VI. REACTIVITY DATA

Stability: STABLE Hazardous Polymerization: WILL NOT OCCUR

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE

Conditions To Avoid: NDA

Incompatibility and Materials to Avoid: ALUMINUM, STRONG ACIDS

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VII. SPILL & DISPOSAL PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled --- Procedures For Clean – Up: WEAR SUITABLE PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING, OR FLAMES IN AREA. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions To Be Taken In Handling & Storage: STORE DRY, COOL AREA (BETWEEN 40°F AND 120°F.)

VIII. PROTECTIVE EQUIPMENT

Ventilation Type Required: MECHANICAL

Protective Gloves: RUBBER OR PLASTIC, SOLVENT RESISTANT

Respiratory Protection: USE NIOSH/OSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATION EXCEEDS PERMISSIBLE EXPOSURE LIMIT.

Other Protective Equipment:

Comments:

IX. COMMENTSINFORMATION

US DOT Proper Shipping Name: "OIL – WELL TREATING COMPOUND"

US DOT Hazard Class: NON-HAZARDOUS

DOT ID Number:

ID Number: Freight Classification:

Unregulated By DOT:

Regulated by DOT: NO

Special Transportation Note:

Labels Required: NO

DISCLAIMER:

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For further information contact:

NOV FluidControl
4310 N Sam Houston Parkway East
Houston, Texas 77032 USA
Office: (713) 482-0500
Fax: (713) 482-0695
Company website: www.nov.com