

MATERIAL SAFETY DATA SHEET

NEUTRA-CLA CW

As a supplier of chemical products to the oil and gas industry we consider it part of our responsibility to emphasize the importance of proper handling procedures when using industrial chemicals. In view of the fact that industrial chemicals are substances foreign to the human organism it is obvious that mishandling has the potential to be harmful to health.

CONABAR is endeavoring to reduce any potential for injury to health in the handling of industrial chemicals. We will do our best to work with you and your operating personnel in promoting safe handling procedures.

We therefore request that our customers STUDY this DATA SHEET and become aware of PRODUCT HAZARDS. To promote safe handling the customer should then notify its employees, agents and contractors of the information on the Data Sheet and any product hazards and

safety information.

SECTION 1 - PRODUCT INFORMATION

Parmary Classification - 3 Product ID#- UN 1993 Packing Group II Placard 3	PROPER SHIPPING NAME - Pamerable Equid N.O.S. Learnana Machanell	PRODUCT NAME Clay Stabilizatikou Replacement PRODUCT USE Proparation of Completion, Workover Air Prilling & Stimulation Fluids IN CASE OF EMERGENCY CALL Call CHEMTRE: Day or Night 1-809-424-9309
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WHMIS CLASSIFICATION: Class D-1A; Class B-2, Flammable Liquid

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SECTION III - PHYSICAL AND CHEMICAL DATA

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WATERIAL SAFETY DATA SHEETS

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SECTION IV - FIRE AND EXPLOSION DATA

Flash point (PMCC lowest component)......>24°C/75°F (TCC)

not suffice to raise flash point above ambient temperatures. heavier than air. May travel along ground before igniting/flashing back to vapour source. Diluting with water may with air and exposed to ignition source, vapours can burn on open or explode when confined. Vapours may be Fire and Explosion hazards......Releases flammable vapours below normal ambient temperatures. When mixed

Extinguishing media...Dry Chemicals; CQ; Foam; Use water/spray fog for cooling

practical to extinguish fire by water dilution. Notify authorities if liquid enters sewer/public waters firefighting due to low flash point. Use water spray/fog for cooling. Even if material is water soluble, may not be pressure/rupture closed containers, spreading fire, increasing risk of burns injuries. Water may be ineffective in decomposition products possible. Special firefighting procedures..........Do not enter fire area without proper protection. See Section III for Fight fire from safe distance/protected location. Heat may build

SECTION V - HEALTH HAZARDS

freezing in winter climates and therefore we make the following points: the formulation of NEUTRA-CLA CW. Methanol is present at a concentration of approximately 50% to prevent Important: No appropriate human or animal health effects data is known to exist for the mixture of ingredients in

- because of the presence of methanol in such a high concentration. methanol and therefore the primary routes of entry hazards (eyes, skin; inhalation, and ingestion) are expected A) Statements as to the effects of overexposure to this product are based on the toxilogical properties of
- 50% and is counteracted in an emergency situation. B) First Aid Treatments are also based on the fact that methanol is present at a concentration of approximately

Effects of overexposure:

central nervous system, especially the optic nerve. mild intoxication but may become more severe after 12-18 hours. Toxic effects are expected to be exerted on the giddiness, intoxication, sleepiness, unconsciousness, and death. Initial symptoms of inhalation may only be concentrations of this material may cause headaches, nausea, vomiting, dizziness, visual disturbances this material is expected to be an inhalation hazard. Prolonged or repeated exposure or breathing very high Inhalation (primary route).....Although no appropriate human or animal health effects data are known to exist,

Eye Contact......Although no appropriate human or animal health effects data are known to exist, this iterial is expected to cause severe eye irritation. Liquid vapours and mists are expected to irritate and burn the

Skin Absorption......Methanol may be absorbed through contact with skin to produce systemic effects

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Section V (continued) HEALTH HAZARDS

causing dermatitis. Skin Irritation (primary route)...Although no appropriate human or animal health effects data is known to exist, this material is expected to be a severe skin irritant. Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin

more severe 12-18 hours later. Toxic effects are expected to be exerted on the central nervous system, especially the optic effects or compounding effects of repeated exposure. Initial symptoms may only be mild intoxication but these may become cause blindness, dizziness, headaches or nausea. Absorption of methanol is rapid but excretion is slow, resulting in delayed expected to be a life threatening ingestion hazard because of the presence of methanol. Swallowing lesser quantities can Ingestion......Although no appropriate human or animal health effects data is known to exist this material is

Medical Conditions Aggravated by Exposure...N/DA

SECTION VI - PROTECTIVE EQUIPMENT / CONTROL MEASURES

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operated in a positive pressure mode as specified in the NIOSH/OSHA 1981 occupational health guidelines for chemical Respiratory protection.......If exposure can exceed the PEL/TLV use only NIOSH/MSHA approved supplied air respirator

possibility exists for eye contact due to spraying or airborne particles. Contact lenses must not be worn Eye protection......Eye, protection, including both chemical splash goggles and face shield, must be worn when

equipment must be cleaned thoroughly after every use The

Engineering controls......Both local exhaust and general room ventilation are usually required

of any potential exposure Other hygienic practices......Emergency eye wash fountains and safety showers should be available in the immediate vicinity

toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse. Shower after work using plenty of soap.

SECTION VII - EMERGENCY AND FIRST AID

approximately 50% and is therefore the primary hazardous ingredient which needs to be counteracted in an emergency Important: First Aid and Emergency Treatments are based on the fact that methanol is present at a concentration of

Inhalation......lf overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

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Section VIII (continued) SPILL AND DISPOSAL

be present, total-encapsulating impervious protective suits, gloves and boots should be worn to prevent any all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. If any residual product may contact. A positive pressure self-contained breathing apparatus and/or a supplied air respirator should be used Decontamination procedures....Isolate, vent, drain, wash and purge equipment before maintenance. Remove

Prepared by: M.S. Rutherford, WHMIS Director

Phone Number: (403) 253-807/

Date Saled Scroper (5, 2010

DISCLAIMERS

the product itself. Some of the information presented and conclusions drawn herein are from sources other than direct test data on

information is provided without any warranty, express or implied, regarding its correctness. The information in this MSDS was obtained from sources which we believe are reliable. However, the

disposal of the product. liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may

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Section VII (continued) EMERGENCY AND FIRST AID

often. Obtain emergency medical attention.

lukewarm water for 15 minutes. If sticky, use water-less cleaner first. Obtain medical attention if ill effect or irritation Skin contact.......Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with

sticking finger down the throat. Obtain emergency medical attention. Prompt action is essential. Never give anything by mouth to an unconscious or convulsing person. Ingestion......If swallowed, give lukewarm water (pint) if victim is completely conscious/alert. Induce vomiting by

6-8 ounces of clear non-carbonated fluid. Dose may be repeated once if emesis does not occur within 20 to 30 minutes. Within 30 minutes of ingestion, if possible administer syrup of IPECAC. After the dose is given, encourage the patient to take amounts can cause blindness and death. Onset of symptoms may be delayed for 18-24 hours. Treatment prior to onset of Administration of an aqueous slurry of activated charcoal with magnesium citrate or sorbitol as a cathartic has been reported obvious symptoms may be life-saving. Methanol is rapidly absorbed and emesis should be initiated early to be effective Emergency medical treatment procedures... Methanol ingestion is life threatening. Ingestion of this product even in small

ETOH level during ethanol therapy. (if charcoal is administered, ethanol should be administered intravenously and not orally) 10% ETOH in D5W over 30-60 minutes. Maintainance dose is 1.4 ml/kg/hr of 10% ETOH to acheive 100-130 MG/DL Blood Ethanol inhibits the formation of toxic metabolites. If ethanol therapy is indicated administer a loading dosage of 7.6-10 ml of

Maintain contact with poison control center during all aspects of diagnosis and treatment

SECTION VIII - SPILL AND DISPOSAL

Precautions if material is spilled or released....Extremely flammable liquid.

small spill. On water, may be biodegradable. Contain/minimize dispersion/collect. Report per regulatory requirements. Release causes immediate fire/explosion hazard. Extinguish all ignition sources. Impound/recover large land spill; Soak up

biodegradable. Avoid overlapping/poisoning plant biomass. Assure effluent complies with applicable regulations solids at permitted sites. Use registered transporters. Burn concentrated liquids in systems compatible with water soluble wastes. Avoid flameouts. Assure emissions comply with the applicable regulations. Dilute aqueous waste may be Waste disposal methods....Contaminated product/soil/water may be hazardous due to potentially low flash point. Landfill

may be flammable/explosive unless blanketed with inert gas. national electric code. Handle "empty" containers with care/vapour residue may be flammable. Vapour space above liquid before removing closure. Containers must be grounded before beginning transfer. Electrical equipment should conform to strong oxidizing agents. Use only non-sparking tools. Store drums with bung in up position. Carefully vent internal pressure Handling and storage procedures....Store in tightly closed/properly vented containers away from heat, sparks, open flame,