



1. IDENTIFICATION

Product Name	ClayForce HDD
Product Use	HDD/Boring/Tunneling Applications
Supplier	Right Turn Supply, LLC 204 SE Ninth Street, Pella, IA 50219
Contact Numbers	(641) 204-0205
E-mail Contact for SDS	info@rightturnsupply.com
Emergency Telephone Number	CHEMTREC: 800-424-9300 (24 Hours)

2. HAZARDS IDENTIFICATION

Hazard Classification

Precautionary Statements:

This material is not classified as hazardous according to 29CFR 1910.1200. None applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture

Component	CAS No.	Concentration (%)
Proprietary Blend	*	95

(*) Our company is withholding the specific chemical composition under provision of the OSHA Hazard Communication Rule Trade Secrets. The specific composition will be made available to health professionals in accordance with 29 CFR 1910.1200(i)(1-4).

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing that may restrict breathing. Obtain medical attention if discomfort persists.
Skin	Remove contaminated clothing. Immediately wash off with mild detergent for at least 20-60 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention if irritation persists.
Eye	Obtain immediate medical attention. Immediately flush eye with plenty of water for at least 20-60 minutes while holding eyelids open.

Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if you feel unwell.
------------------	--

5. FIRE FIGHTING MEASURES

Extinguishing media	CO ₂ , Dry Chemical. Foam, Water Fog
Unsuitable extinguishing media	Do not use a direct stream of water. Water may cause splattering.
Fire fighting procedures	Do not enter any enclosed or confined fire space without proper protective equipment including self contained breathing apparatus and full bunker gear.
Combustion products	Oxides of carbon and hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin and eyes. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk.
Personal Protection	Wear protective clothing specified for normal operations (see section 8).
Environmental Protection	None Known.
Clean up methods - small spillage	Absorb or contain liquid with sand, earth, or spill control material. Shovel up and place in labelled, sealable container for subsequent safe disposal.
Clean up methods - large spillage	Transfer to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Treat residues as for small spillages.

7. HANDLING AND STORAGE

Handling	Avoid breathing vapors and/or mists. Avoid contact with skin, eyes and clothing.
Storage	Store in a cool, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards	None established.
Engineering Control	Use only in well-ventilated areas.

Measures

Respiratory Protection	Use NIOSH/MSHA approved air-purifying or air-fed respirator if recommended exposure limit is exceeded. Use self contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Hand Protection	Chemical resistant gloves: Nitrile, Neoprene or PVC.
Eye Protection	Chemical splash goggles (chemical monogoggles). Wear face-shield in addition when transferring material.
Body Protection	Use protective clothing, which is chemical resistant to this material. Safety shoes or boots should be chemical resistant.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Physical state: light colorless to slightly hazy, light amber liquid

Odor: none

Odor Threshold: Not applicable

pH-value: 6 - 8

Melting/Freezing Point: < 25 °C

Initial Boiling Point & Range: Not available

Flash Point: > 200 °F

Evaporation Rate: Not available

Upper/Lower Explosion Limits: Not applicable

Vapor Pressure: Not available

Flammability: Not applicable

Vapor Density: Not available

Relative density: 1.11 - 1.19 (15.6°C)

Density: 9.26 - 9.93 lbs/gallon

Solubility: Dispersible in water

Partial coefficient (n-octanol/water): Not available

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: 2.6 cP at 40 °C

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use.

Conditions To Avoid Excessive heat, sparks and open flames.

Incompatible Materials	Strong oxidizing materials. Strong Lewis or mineral acids, Strong alkalis.
Thermal Decomposition Products	Oxides of carbon, carbon dioxide and water vapor.

11. TOXICOLOGICAL INFORMATION

Basis for assessment	Information given is based on the toxicology of components in the mixture.
Skin irritation:	Expected to cause irritation
Eye irritation	Expected to cause irritation
Acute toxicity - Dermal	ND
Acute toxicity - Inhalation	Expected to cause irritation
Acute toxicity - Oral	ND
Repeated dose toxicity	ND.
Mutagenicity	ND.
Developmental toxicity	ND.

12. ECOLOGICAL INFORMATION

Basis for Assessment	Ecotoxicological data have not been determined specifically for this product. The information given below is based on knowledge of the components.
Mobility	Soluble in water
Persistence/degradability	ND
Bioaccumulation	ND
Freshwater Fish Toxicity	ND
Freshwater Invertebrates Toxicity	ND
Acute toxicity - algae	ND
Acute toxicity - bacteria	ND

13. DISPOSAL CONSIDERATIONS

Waste disposal	Dispose to licensed disposal contractor. Responsibility for proper waste disposal rests with the generator of the waste.
Container disposal	Dispose to licensed disposal contractor.
Local Legislation	The recommendations given are considered appropriate for safe disposal. However, local regulations may be more stringent and these must be complied with.

14. TRANSPORT INFORMATION

DOT Classification	Not DOT regulated.
---------------------------	--------------------

15. REGULATORY INFORMATION

INTERNATIONAL REGISTRATION:

TSCA (USA)	All components listed or exempted.
SARA Title III	No components listed.

16. OTHER INFORMATION

Abbreviations:	ND: No data available
Revisions:	1/21/2012: Original version 9/22/2015: Updated SDS format 3/31/2018: Updated Formatting
Prepared by:	HSE Coordinator

The information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.