

**SECTION I: IDENTIFICATION OF PRODUCT**

COMPANY: **Diversity Technologies Corp.** DATE: **February 18, 2016**  
**8750 – 53<sup>rd</sup> Ave.** PHONE: **780-440-4923**  
**Edmonton, AB T6E 5G2** FAX: **780-469-1899**

PRODUCT NAME: **WALNUT**

PRODUCT USE: Oilwell drilling fluid additive  
 CHEMICAL FAMILY: Walnut shell (organic) CAS #: Not available

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

WHMIS CLASSIFICATION: Not a controlled product under WHMIS  
 WORKPLACE HAZARD: **May form combustible dust concentrations in air.**

**TRANSPORTATION OF DANGEROUS GOODS (TDG)**

PROPER SHIPPING NAME: Not regulated under TDG  
 TDG CLASSIFICATION: Not applicable  
 UN NUMBER (PIN): Not applicable  
 PACKING GROUP: Not applicable

**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENT	% (w/w)	CAS NUMBER	LD <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhal-Rat	ACGIH-TLV
Natural walnut shell	100	84012-43-1	Not available	Not available	Not established

**SECTION III: HEALTH HAZARDS**

ROUTE OF ENTRY:  EYE CONTACT  SKIN CONTACT  INHALATION  INGESTION  
 EYE CONTACT: May cause mechanical irritation.  
 SKIN CONTACT: No effects expected.  
 INGESTION: No toxic effects expected.  
 INHALATION: Possible irritation of nasal passages, throat and bronchial passages due to walnut hull dust contained in product.  
 CARCINOGENICITY: No information available.  
 TERATOGENICITY: No information available.  
 REPRODUCTIVE TOXICITY: No information available.  
 MUTAGENICITY: No information available.  
 SYNERGISTIC PRODUCTS: No information available.

**SECTION IV: FIRST AID MEASURES**

SKIN CONTACT: Wash with soap and water. If irritation develops use hand lotion.  
 EYE CONTACT: Flush eye to remove debris. If irritation persists consult a physician.  
 INGESTION: No toxic effects expected.  
 INHALATION: Remove patient from dusty environment. If breathing difficulty develops administer oxygen and get medical attention.

**SECTION V: PHYSICAL DATA**

APPEARANCE AND ODOUR: Tan, granular or flour-like solid; odourless  
 SPECIFIC GRAVITY: 1.2 – 1.4  
 BOILING POINT (°C): Not applicable  
 MELTING POINT (°C): Not applicable  
 SOLUBILITY IN WATER: Insoluble pH: Not applicable  
 PERCENT VOLATILE BY VOLUME: Not applicable  
 EVAPORATION RATE: Not applicable  
 VAPOUR PRESSURE (mmHg): Not available  
 VAPOUR DENSITY (air = 1): Not available  
 BULK DENSITY: Not available

**SECTION VI: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: Not applicable  
 FLAMMABLE LIMITS: Not applicable  
 EXTINGUISHING MEDIA: Use media suitable for packaging and surrounding fire.  
 SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire-fighting personnel.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: This product will burn in fire conditions. **Fine dust can form an explosive mixture with air.**  
 HAZARDOUS COMBUSTION PRODUCTS: No information available.

**SECTION VII: REACTIVITY DATA**

STABILITY:  STABLE  UNSTABLE  
 INCOMPATIBILITY (CONDITIONS TO AVOID): None known.  
 CONDITIONS OF REACTIVITY: Not known.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Not determined.  
 HAZARDOUS POLYMERIZATION:  WILL NOT OCCUR  MAY OCCUR

## SECTION VIII: PREVENTIVE MEASURES

### SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Suggest dust mask; nuisance dust.
VENTILATION:	No special ventilation required.
PROTECTIVE GLOVES:	Suggest gloves.
EYE PROTECTION:	Suggest goggles.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Long sleeve shirt and coveralls.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Eye and respiratory protection suggested when handling this material. **Avoid generation of dust.** **Ensure dust does not accumulate on surfaces.** Store in a cool dry area away from open flames.

### STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Wear suitable protective equipment. **Eliminate ignition sources.** **Avoid creating dust clouds when cleaning.** Sweep up and collect uncontaminated material for repackaging. Sweep up, and collect contaminated material for disposal.

### WASTE DISPOSAL METHOD

This product is nonhazardous and can be disposed of as such. Dispose/incinerate in accordance with all federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

## SECTION IX: PREPARATION

The information contained herein is given in good faith, but no warranty, expressed or implied, is made.

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BY:	Regulatory Affairs
PHONE:	780-440-4923