



A Division of Appropriate Chemical International Ltd.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Diatomaceous Earth

DI500-00

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 10-Mar-15
TELEPHONE NO.: (519) 451-1614
EMERGENCY PHONE NO.: (613) 996-6666
CHEMICAL FAMILY: SILICA **CHEMICAL FORMULA:** Not Applicable
MOLECULAR WEIGHT: Not Applicable **MATERIAL USE:** Please Refer to technical literature
SYNONYMS: Aquacel

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Flux Calcined Diatomaceous Earth	100	68855-54-9	N.Av.	N.Av.	N.Av.

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: May cause slight transient (temporary) eye irritation
Skin: None known
Inhalation: May cause irritation of upper respiratory tract. Irritation and soreness in throat and nose. In extreme exposures some congestion may occur.
Ingestion: None known

SECTION 04: FIRSTAID

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention.
Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Inhalation, Acute: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Notes to physician: N.Av.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABLE?	No
IF YES, UNDER WHICH CONDITIONS?	
FLASH POINT (TCC) (C):	NONE
FLAMMABLE LIMITS:	LEL(% BY VOL.): Not Available UEL(% BY VOL.): Not Available
AUTO IGNITION TEMPERATURE (C)	Not Available
EXTINGUISHING MEDIA	Use DRY chemicals, CO2, alcohol foam or water spray.
SPECIAL PROCEDURES:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Not Available
UNUSUAL FIRE AND EXPLOSION HAZARDS	Not Available
SENSITIVITY TO STATIC DISCHARGE	Not Available
SENSITIVITY TO MECHANICAL IMPACT:	Not Available

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Personal Precautionary Measures: Wear appropriate protective equipment.
Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed. Consult local authorities.
Procedure for Clean Up: Use vacuum suction with HEPA filters to clean up spilled material. Use wet sweeping or dust suppressant where sweeping is necessary.

SECTION 07: HANDLING AND STORAGE**Handling Procedures and Storage Requirements**

Handling: Avoid dust generation. Avoid breathing in dust. Avoid contact with eyes, skin and clothing. Seal broken bags immediately. Empty containers may contain hazardous product residues.

Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store in accordance with good industrial practices. Place away from incompatible materials

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES/TYPE:	Not normally required.
RESPIRATOR/TYPE:	<10X PEL, Use a N95 quarter or half mask respirator; <50X PEL, Use a full face respirator equipped with N95 filter; <200X PEL, Use a powdered air purifying respirator (positive pressure) with N95 filters; >200X PEL, use a full face, type C supplied air respirator (continuous flow mode)
EYE/TYPE:	Safety glasses with side shields or chemical goggles.
OTHER/TYPE:	Ensure that eyewash stations and safety showers are proximal to the work-station location.
ENGINEERING CONTROL	Localized ventilation should be used to control dust levels.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE:	Powder	ODOUR THRESHOLD:	N. Av.
ODOUR:	Odorless	VAPOUR DENSITY (Air=1):	N. Av.
VAPOUR PRESSURE (mm Hg @ 20C):	N. Av.	SPECIFIC GRAVITY:	2.3
EVAPORATION RATE (Ether = 1):	N. Av.	FREEZING POINT (C)	N. Av.
BOILING POINT (C):	N. Av.	% VOLATILE (WT):	N. Av.
Ph (% SOLUTION):	9 - 10.5		
SOLUBILITY IN WATER (% W/W)	Negligible.		

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? Stable

IF NO, UNDER WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES Yes

IF YES, WITH WHICH ONES: Hydrofluoric acid.

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL

LC 50 OF MATERIAL, SPECIES AND ROUTE
LD 50 OF MATERIAL, SPECIES AND ROUTE
CARCINOGENICITY OF MATERIAL

REPRODUCTIVE EFFECTS:
IRRITANCY OF MATERIAL
SENSITIZING CAPABILITY OF MATERIAL
SYNERGISTIC MATERIALS

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class 0, Non Regulated

UN NUMBER:

PACKING GROUP:

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION D2A
D2A VERY TOXIC MATERIALS

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES: Supplier MSDS

For updated copies of an MSDS, please contact Anchem Sales at the address/phone number on Page 1 or fax the MSDS Co-ordinator at (519) 451-4593.

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