

L. V. Lomas Ltd
99 Summerlea Rd
Brampton, Ontario; L6T 4V2
Canada



PRODUCT: Celite 545

CODE: CJM115

**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER..... CELITE CORPORATION
P.O. BOX 371725
PITTSBURGH
PA
USA
15251-7725
PRODUCT NAME..... Celite 545
PRODUCT CODE(S)..... CJM115
MATERIAL USE
PRODUCT USE..... Industrial.
CHEMICAL FAMILY..... Diatomaceous Earth.
SYNONYMS..... Natural Diatomaceous Earth.
24 HOUR EMERGENCY NUMBER..... CALL Newalta Industrial Services 1-800-567-7455.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
Flux Calcined Diatomite	100	Not Indicated	68855-54-9	Not Indicated	Not Indicated
Cristobalite	<50	Not Indicated	14464-46-1	Not Indicated	Not Indicated
Crystalline Silica - Quartz	<4	0.1 mg/m3	14808-60-7	> 8000 mg/kg Oral Rat	Not Indicated

Section 03: HAZARDS IDENTIFICATION

SIGNAL PHRASE..... Carcinogen. IARC Group 1.
ROUTE OF ENTRY Eye contact. Skin contact. Inhalation. Ingestion.
SKIN CONTACT..... May cause skin irritation. Avoid skin contact.
EYE CONTACT..... May cause eye irritation. Avoid eye contact.
INGESTION..... No adverse health expected to develop.
INHALATION..... May cause irritation of nose, throat or respiratory tract. Avoid inhalation.
MEDICAL CONDITIONS AFFECTED BY ... Pre-existing respiratory disease may be aggravated by this material.
EXPOSURE
SIGNS OF OVER EXPOSURE..... Prolonged, excessive exposure to dust may cause chronic pulmonary disease.

Section 04: FIRST AID MEASURES

EYE CONTACT..... Immediately hold eyelids open and flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention.
SKIN CONTACT..... Wash affected area immediately with large amounts of soap and water. If irritation develops or persists, seek medical attention.
INHALATION..... Move victim to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult, administer oxygen. In all cases of doubt, or when symptoms persist, seek medical attention.
INGESTION..... DO NOT induce vomiting. Drink 1 or 2 glasses of water. If necessary, seek medical attention.
NOTES TO PHYSICIAN..... Treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (°C), METHOD..... Not flammable.
AUTO IGNITION TEMPERATURE (°C)..... Not applicable.
UPPER FLAMMABLE LIMIT (% VOL)..... Not applicable.
LOWER FLAMMABLE LIMIT (% VOL)..... Not applicable.
FLAMMABILITY..... Com 1.
HAZARDOUS COMBUSTION PRODUCTS.. Not applicable.
UNUSUAL FIRE / EXPLOSION HAZARDS.. Avoid high dust concentrations. Assure all equipment is properly grounded to prevent static discharges, and vented to provide for potential energy release. Avoid heat, sparks and open flames.
SENSITIVITY TO MECHANICAL IMPACT... Not sensitive.
SENSITIVITY TO STATIC DISCHARGE..... Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.
EXTINGUISHING MEDIA..... Water spray, foam, dry powder or carbon dioxide.

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Section 05: FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES.. Firefighters should wear protective equipment as required.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAKS AND SPILLS..... Vaccum/shovel up and transfer into a drum for reuse or disposal. Do not allow product to enter sewers or waterways. Wear protective clothing during cleanup.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Avoid creation of respirable dust. Avoid contact with eyes and skin. Avoid inhalation and ingestion. Avoid dusting when handling and avoid all possible sources of ignition (spark or flame). Wash skin thoroughly after handling and before eating or smoking. Use good industrial hygiene practices in handling this material.

STORAGE NEEDS..... Keep container tightly closed. . Store in a cool, dry, well-ventilated area.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENTS..... General ventillation is recommended.

PROTECTIVE EQUIPMENT

EYE/TYPE..... Wear safety glasses with side shields or goggles.

RESPIRATORY/TYPE..... A NIOSH/OSHA approved dust respirator should be worn. Determine the appropriate type by consulting the respirator manufacturer.

GLOVES/ TYPE..... Wear protective gloves.

CLOTHING/TYPE..... No special protective clothing is required.

FOOTWEAR/TYPE..... No special footwear is required.

BODY/TYPE..... No special protective clothing is required.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... Fine. White. Powder.

ODOUR..... Odourless.

ODOUR THRESHOLD (ppm)..... Not available.

SPECIFIC GRAVITY..... 2.3. water = 1.

VAPOUR DENSITY (AIR=1)..... Not applicable.

VAPOUR PRESSURE (mm Hg)..... Not applicable.

EVAPORATION RATE..... Not applicable.

BOILING POINT (°C)..... Not applicable.

pH..... 9.0 - 10.5.

SOLUBILITY IN WATER (% W/W)..... Negligible.

VISCOSITY..... Not available.

COEFFICIENT OF WATER/OIL Not applicable.

DISTRIBUTION

FREEZING POINT (°C)..... Not applicable.

MELTING POINT (°C)..... Not determined.

% VOLATILE..... Nil.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION..... Will not occur.

STABILITY..... Stable.

INCOMPATIBILITY..... Hydrofluoric acid.

CONDITIONS TO AVOID..... Avoid generating dust. Avoid heat and any source of ignition.

HAZARDOUS PRODUCTS OF Not available.

DECOMPOSITION

Section 11: TOXICOLOGICAL INFORMATION

TOXICITY EFFECTS ON ANIMALS..... No additional remark.

TOXIC EFFECTS ON HUMANS..... May cause slight respiratory irritation. May cause eye irritation. May cause irritation to respiratory tract.

CHRONIC EFFECTS ON HUMANS..... Prolonged exposure can cause pulmonary disease.

CARCINOGENICITY..... IARC Group 1.

TERATOGENICITY..... No evidence of teratogen effects.

MUTAGENICITY..... No evidence of mutagenic effects.

REPRODUCTIVE EFFECTS..... No evidence of reproductive effects.

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Section 12: ECOLOGICAL INFORMATION

ECOTOXICITY DATA..... Unlikely to be harmful.
PRODUCTS OF DEGRADATION..... Environmentally inert.
BIODEGRADABILITY..... Inert material.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... Not regulated under TDG (Canada).

Section 15: REGULATORY INFORMATION

CEPA STATUS..... All the ingredients are on the DSL list.
WHMIS CLASSIFICATION..... WHMIS Class D2A: Materials Causing Other Toxic Effects-Very Toxic Material.

Section 16: OTHER INFORMATION

REFERENCES..... Manufacturer's Material Safety Data Sheet.
TELEPHONE NUMBER:..... 905-458-7111.
PREPARED BY: Regulatory Affairs
PREPARATION DATE: Apr08/10