



Unit 14 - 19257 Enterprise Way  
 Surrey BC V3S 6J8  
 1(800) 758-7773  
 www.voyageursoapandcandle.com

**MATERIAL SAFETY DATA SHEET**

**PRODUCT INFORMATION AND COMPANY IDENTIFICATION  
 PURE GLACIAL MARINE CLAY**

PRODUCT NAME/TRADE NAME	PURE GLACIAL BAY MARINE CLAY
PRODUCT REFERENCE	PURE ULTRA FINE GLACIAL MARINE POWDERED CLAY
CAS#	1318-93-0
PRODUCT USE	COSMETIC AND PERSONAL CARE FORMULATIONS
INCI NAME	SEA SILT (GLACIAL BAY MARINE CLAY or CANADIAN COLLOIDAL CLAY)
COMPANY NAME	VOYAGEUR SOAP & CANDLE CO. LTD
EMERGENCY TELEPHONE NUMBER	1(800) 424-9300 CHEMTREC

**COMPOSITION/INGREDIENT INFORMATION**

INGREDIENTS INCI NAME	100% NATURAL GLACIAL MARINE CLAY CANADIAN COLLOIDAL CLAY or SEA SILT
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**HAZARDS IDENTIFICATION – EMERGENCY OVERVIEW**

INHALATION	THE PRODUCT MAY CONTAIN BREATHABLE DUST. PROLONGED INHALATION OF A HIGH CONCENTRATION MAY AFFECT LUNG FUNCTION. TO USE IN COMPLETE SAFETY, RESPECT EXPOSURE LIMITS BELOW.
EC CLASSIFICATION	UNCLASSIFIED
SGH CLASSIFICATION	UNCLASSIFIED

**FIRST AID MEASURES**

EYES	FLUSH WITH PLENTY OF WATER OR EYE WASH SOLUTION FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
SKIN	WASH OFF WITH WATER.
INGESTION	NO PARTICULAR MEASURE. SEEK MEDICAL ATTENTION IF LARGE DOSE IS INGESTED. MAY CAUSE CONSTIPATION.
INHALATION	REMOVE SELF TO FRESH AIR. IF CONTINUED RESPIRATORY IRRITATION OCCURS OR IF BREATHING BECOMES DIFFICULT, SEEK MEDICAL ATTENTION.

## FIRE FIGHTING MEASURES

INFLAMMABLE AND NON-TOXIC	NO REPORTED RISK IN EVENT OF FIRE.
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## ACCIDENTAL RELEASE MEASURES/STEPS FOR SPILLS

PRECAUTIONS	AVOID DUST FORMATION. IN THE EVENT OF HIGH EXPOSURE TO VOLATILE DUST, WEAR A PROTECTIVE MASK AND GOGGLES.
METHODS FOR CLEAN UP	SWEEP UP ALL SPILLS CAREFULLY. DISPOSE OF ACCORDING TO LOCAL REGULATIONS.
RISK OF FALLS OR SLIPS	CLEANING A FLOOR CONTAINING CLAY DUST MAY RENDER IT EXTREMELY SLIPPERY. DRY CLEANING IS RECOMMENDED IF PERSONS ARE REQUIRED TO CONTINUE WORKING ON THE SITE.

## HANDLING AND STORAGE

HANDLING	PROVIDE APPROPRIATE VENTILATION WHERE DUST FORMS. IF LACK OF VENTILATION, WEAR SUITABLE BREATHING EQUIPMENT.
STORAGE	FOR PROPER STORAGE, CONTAINERS SHOULD BE KEPT IN A COOL (BELOW 20°C/68°F), DRY PLACE WITH LINERS TIGHTLY SEALED.

## EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE VALUE LIMITS	RESPECT THE REGULATORY PROVISIONS FOR DUST AND CRYSTALLINE SILICA (SEE TABLE BELOW).
EYES	SAFETY GLASSES SHOULD BE WORN.
SKIN/BODY	GLOVES SHOULD BE WORN.
RESPIRATORY	IN THE EVENT OF EXPOSURE TO DUST BEYOND REGULATORY LIMITS AND EVEN GENERAL DURING ANY TYPE OF HANDLING, WEAR A BREATHING MASK IN ACCORDANCE WITH NATIONAL LAW.
VENTILATION	PROVIDE APPROPRIATE VENTILATION AND FILTERS IN PLACES WHERE DUST MAY BE GENERATED.
OTHER	USE SLIP-PROOF MATS OR FOOTWEAR IN AREAS OF WORK.
WORK/HYGIENE PRACTICES	NORMAL WORK AND HYGIENE PRACTICES.
TRAINING	WORKERS MUST BE INFORMED OF THE PRESENCE OF CRYSTALLINE SILICA AND TRAINED IN THE PROPER USE AND HANDLING OF THIS PRODUCT AS REQUIRED BY APPLICABLE REGULATIONS.
SOCIAL DIALOGUE ON RESPIRABLE CRYSTALLINE SILICA	DEPENDING ON THE TYPE OF USE (GRINDING, DRYING), AIRBORNE RESPIRABLE CRYSTALLINE SILICA (QUARTZ CRISTOBALITE) MAY BE GENERATED. PROLONGED AND/OR MASSIVE INHALATION OF RESPIRABLE CYRSTALLINE SILICA DUST MAY CAUSE LUNG FIBROSIS, COMMONLY KNOWN AS SILICOSIS.

EXPOSURE LIMIT VALUES	EXPOSURE LIMITS	VALUE TYPE
COMPONENTS: ILLITE, MONTMORILLONITE	10 mg/m <sup>3</sup> (INHALABLE FRACTION)	VME – 8h
CRYSTALLINE SILICA	0.025 mg/m <sup>3</sup> (INHALABLE FRACTION)	VME – 8h

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	POWDER
COLOUR	GREEN/GREY
ODOUR	ODOURLESS
SiO <sub>2</sub>	40.6%
CaO	4.9%
MgO	3.7%
Na <sub>2</sub> O	3.5%
pH	5.8-7.2 NEUTRAL
DENSITY	90 LBS. PER CU. FT.
FLASH POINT	NOT EXPLOSIVE
SOLUBILITY IN WATER	INSOLUBLE

## STABILITY AND REACTIVITY

STABILITY	CHEMICALLY STABLE
REACTIVITY	NO PARTICULAR INCOMPATIBILITY

## TOXICOLOGICAL

GENERAL	NO INFORMATION - NATURAL PRODUCT
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## MICROBIOLOGICAL

SALMONELA	NONE DETECTED - REFER TO COA
STAPHYLOCOCCUS AUREUS	NONE DETECTED - REFER TO COA
PSEUDOMONAS AERUGINOSA	NONE DETECTED - REFER TO COA
HETEROTROPHIC, MOLD, YEAST COUNT	< 10

## ECOLOGICAL INFORMATION

ECOTOXICITY	NO KNOWN ECOLOGICAL HAZARDS ARE ASSOCIATED WITH THIS PRODUCT.
PERSISTANCE AND DEGRADABILITY	STABLE AND NON-DEGRADABLE PRODUCT
OTHER ADVERSE EFFECTS	NONE
MARINE POLLUTANT	NONE

## DISPOSAL CONSIDERATIONS

RESIDUAL/UNUSED PRODUCTS	CAN BE BURIED IN ACCORDANCE WITH LOCAL REGULATIONS. THE MATERIAL MUST BE BURIED TO PREVENT EMISSION OF BREATHABLE DUST. IF POSSIBLE, RECYCLING IS PREFERRED TO STORING.
PACKAGING	NO PARTICULAR REQUIREMENT. DUST DURING PACKAGING MUST BE AVOIDED AND SUITABLE PROTECTION MUST BE PROVIDED TO WORKERS.

## TRANSPORT INFORMATION

GENERAL	NO PRECAUTIONS REQUIRED BY THE REGULATIONS OF TRANSPORTING DANGEROUS GOODS. AVOID SPREADING DUST.
DOT CLASSIFICATION	NOT CLASSIFIED
IATA CLASSIFICATION	NOT CLASSIFIED
IMDG	NOT CLASSIFIED

## ADDITIONAL INFORMATION

### Disclaimer

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End of Safety Data Sheet