



MURSATT CHEMICALS LIMITED  
11 REGALCREST COURT  
WOODBIDGE; ONTARIO, CANADA; L4L 8P3  
(905)-850-8444

PRODUCT: **FILTER-PLUS**

CODE: MUR0047

### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER..... MURSATT CHEMICALS LIMITED  
11 REGALCREST COURT  
WOODBIDGE, ONTARIO  
CANADA  
L4L 8P3  
PREPARED BY..... REGULATORY AFFAIRS  
PREPARATION DATE..... **May08/14**  
PRODUCT NAME..... FILTER-PLUS  
PRODUCT CODE..... MUR0047  
CHEMICAL FORMULA..... MIXTURE.  
MOLECULAR WEIGHT..... MIXTURE.  
CHEMICAL FAMILY..... MIXTURE.  
MATERIAL USE..... N.AV.  
EMERGENCY PHONE NO..... CANUTEC (613)-996-6666.

### Section 02: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:  
SKIN CONTACT..... PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.  
SKIN ABSORPTION..... N.AV.  
EYE CONTACT..... DUST CONTACT WITH THE EYES CAN LEAD TO MECHANICAL IRRITATION.  
INHALATION..... MAY CAUSE IRRITATION OF RESPIRATORY TRACT.  
INGESTION..... MAY CAUSE IRRITATION.  
EFFECTS OF ACUTE EXPOSURE..... SEE ABOVE.  
EFFECTS OF CHRONIC EXPOSURE..... CRYSTALLINE SILICA (QUARTZ) HAS BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS A KNOWN HUMAN CARCINOGEN (GROUP 1). INHALATION OVEREXPOSURE TO FREE CRYSTALLINE SILICA MAY CAUSE DELAYED LUNG INJURY INCLUDING SILICOSIS, A DISABLING AND POTENTIALLY FATAL LUNG DISEASE. INHALATION EXPOSURE TO RESPIRABLE LEVELS OF CRYSTALLINE SILICA MAY CAUSE RESPIRATORY IMPAIRMENT AND LUNG DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

### Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
FLUX-CALCINED DIATOMACEOUS EARTH	30-60	SEE SECTION 11	68855-54-9	SEE SECTION 11	SEE SECTION 11
CRISTOBALITE	<35	SEE SECTION 11	14464-46-1	SEE SECTION 11	SEE SECTION 11
CRYSTALLINE SILICA	1-5	SEE SECTION 11	14808-60-7	SEE SECTION 11	SEE SECTION 11

### Section 04: FIRST AID MEASURES

EYE CONTACT..... RINSE THOROUGHLY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS. DO NOT RUB AFFECTED AREA. IF IRRITATION PERSISTS, CALL A PHYSICIAN.  
SKIN CONTACT..... FLUSH WITH PLENTY OF WATER. USE MOISTURIZING LOTIONS IF DRYNESS OCCURS.  
INHALATION..... MOVE TO FRESH AIR. DRINK WATER AND BLOW NOSE TO REMOVE DUST. SEEK MEDICAL ATTENTION IF EFFECTS PERSISTS.  
INGESTION..... DRINK PLENTY OF WATER.  
NOTES TO PHYSICIAN..... TREAT SYMPTOMATICALLY.

### Section 05: FIRE FIGHTING MEASURES

T.D.G. FLAM. CLASS..... NOT REGULATED.  
FLAMMABILITY..... NON FLAMMABLE.  
EXTINGUISHING MEDIA..... USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.  
SPECIAL PROCEDURES..... AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.  
FLASH POINT (C), METHOD..... N.AP.  
AUTO IGNITION TEMPERATURE..... N.AV.  
UPPER FLAMMABLE LIMIT (% BY VOL.)... N.AP.  
LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.  
EXPLOSION DATA..... N.AV.

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**Section 05: FIRE FIGHTING MEASURES**

EXPLOSIVE POWER..... N.AV.  
 RATE OF BURNING..... N.AV.  
 SENSITIVITY TO STATIC DISCHARGE..... NONE.  
 SENSITIVITY TO IMPACT..... NONE.  
 HAZARDOUS COMBUSTION PRODUCTS.. SEE HAZARDOUS DECOMPOSITION PRODUCTS.

**Section 06: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS..... ENSURE ADEQUATE VENTILATION. AVOID DUST FORMATION. AVOID INHALATION OF DUST. AVOID CONTACT WITH THE SKIN AND THE EYES.  
 ENVIRONMENTAL PRECAUTIONS..... PREVENT FROM ENTERING SEWERS OR DRAINS.  
 METHODS FOR CLEANING UP..... PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO, AVOID DUST FORMATION. WET DUST WITH WATER BEFORE SWEEPING OR USE A VACUUM TO COLLECT DUST.

**Section 07: HANDLING AND STORAGE**

HANDLING..... HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. AVOID DUST FORMATION. DO NOT BREATHE VAPORS/DUST. MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID CONTACT WITH SKIN AND EYES.  
 STORAGE..... KEEP DRY AND AWAY FROM ODORS.

**Section 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

GLOVES/ TYPE..... PROTECTIVE GLOVES.  
 RESPIRATORY/TYPE..... NIOSH APPROVED RESPIRATOR MUST BE WORN IF EXPOSED TO DUST.  
 EYE/TYPE..... TIGHTLY FITTING SAFETY GOGGLES.  
 FOOTWEAR/TYPE..... PROTECTIVE BOOTS.  
 CLOTHING/TYPE..... PROTECTIVE CLOTHING.  
 OTHER/TYPE..... ENSURE THAT AN EMERGENCY EYE WASH STATION AND SAFETY SHOWER ARE NEAR THE WORK-STATION LOCATION.  
 ENGINEERING CONTROLS..... USE ADEQUATE EXHAUST VENTILATION AND/OR DUST COLLECTION TO KEEP DUST LEVELS BELOW PEL.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... WHITE TO OFF-WHITE POWDER.  
 ODOUR..... ODOURLESS.  
 ODOUR THRESHOLD..... N.AV.  
 VAPOUR PRESSURE (MMHG)..... N.AP.  
 VAPOUR DENSITY (AIR=1)..... N.AP.  
 EVAPORATION RATE..... N.AP.  
 BOILING POINT..... N.AP.  
 PH..... N.AP.  
 SPECIFIC GRAVITY (WATER=1)..... 1.27 - 2.35.  
 SOLUBILITY IN WATER (% W/W)..... N.AV.  
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

**Section 10: STABILITY AND REACTIVITY**

STABILITY  
 CHEMICAL STABILITY..... STABLE UNDER RECOMMENDED STORAGE CONDITIONS.  
 CONDITIONS TO AVOID  
 MATERIALS TO AVOID..... HYDROFLUORIC ACID.  
 HAZARDOUS PRODUCTS OF ..... SILICONE DIOXIDES.  
 DECOMPOSITION  
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

**Section 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT OF MATERIAL..... SILICA, CRISTOBALITE (14464-46-1): ACGIH TLV - TWA: 0.025 MG/M3 RESPIRABLE FRACTION; OSHA PEL - (VACATED) TWA: 0.05 MG/M3 RESPIRABLE DUST : (1/2)(30)/(100) MG/M3 TWA TOTAL DUST : (1/2)(250)/(100) MPPCF TWA RESPIRABLE FRACTION : (1/2)(10)/(100) MG/M3 TWA RESPIRABLE FRACTION; NIOSH IDLH - IDLH: 25 MG/M3 RESPIRABLE DUST, TWA: 0.05 MG/M3 RESPIRABLE DUST. QUARTZ (14808-60-7): ACGIH TLV - TWA: 0.025 MG/M3 RESPIRABLE FRACTION. OSHA PEL - 30/(100) MG/M3 TWA, TOTAL DUST;250/(100) MPPCF TWA, RESPIRABLE FRACTION; 10/(100) MG/M3 TWA, RESPIRABLE TWA: 0.1 MG/M3 (VACATED); NIOSH IDLH - IDLH: 50 MG/M3 RESPIRABLE DUST TWA: 0.05 MG/M3 RESPIRABLE DUST.  
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.  
 LD 50 OF MATERIAL, SPECIES & ROUTE.. QUARTZ: 500 MG/KG (ORAL, RAT.).

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CARCINOGENICITY OF MATERIAL..... CRYSTALLINE SILICA (QUARTZ) HAS BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS A KNOWN HUMAN CARCINOGEN (GROUP 1). SILICA, AMORPHOUS, DIATOMACEOUS EARTH: IARC GROUP 3, NOT CLASSIFIABLE AS TO ITS CARCINOGENICTY TO HUMANS. SILICA, CRISTOBALITE: ACGIH A2, SUSPECTED HUMAN CARCINOGEN. IARC GROUP 1, CARCINOGENIC TO HUMANS. QUARTZ: ACGIH A2, SUSPECTED HUMAN CARCINOGEN. IARC GROUP 1, CARCINOGENIC TO HUMANS.

REPRODUCTIVE EFFECTS..... N.AV.  
 IRRITANCY OF MATERIAL..... SEE SECTION 02.  
 SENSITIZING CAPABILITY OF MATERIAL..... N.AV.  
 SYNERGISTIC MATERIALS..... N.AV.  
 MUTAGENICITY..... N.AV.  
 TERATOGENICITY..... N.AV.

**Section 12: ECOLOGICAL CONSIDERATIONS**

ECOLOGICAL INFORMATION..... N.AV.

**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

**Section 14: TRANSPORT INFORMATION**

TDG CLASSIFICATION..... NOT REGULATED.  
 UN NUMBER..... N.AP.  
 PACKING GROUP..... N.AP.  
 SPECIAL SHIPPING INSTRUCTIONS..... NOT REGULATED.

**Section 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION..... D2A.  
 CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

**Section 16: OTHER INFORMATION**

N.AP.=NOT APPLICABLE

N.AV.=NOT AVAILABLE

OTHER INFORMATION..... THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS. THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.