



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..... May28/11
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..... MAY CAUSE DRYNESS WITH CONTINUED EXPOSURE.
SKIN ABSORPTION..... N.AV.
EYE CONTACT..... TEMPORARY IRRITATION AND/OR INFLAMMATION.
INHALATION..... EXPOSURE TO HIGH CONCENTRATIONS OF DUST MAY RESULT IN UPPER
RESPIRATORY TRACT (NOSE AND THROAT) IRRITATION. AN ALLERGIC REACTION
MAY OCCUR IN SOME PERSONS DUE TO INHALATION OF OR CONTACT WITH
THESE PRODUCTS.
INGESTION..... NOT CONSIDERED HARMFUL IN SMALL AMOUNTS, BUT MOUTH, THROAT AND
STOMACH IRRITATION MAY OCCUR.
EFFECTS OF ACUTE EXPOSURE..... TRANSITORY UPPER RESPIRATORY IRRITANT. EXPOSURE TO HIGH
CONCENTRATIONS OF DUST MAY RESULT IN UPPER RESPIRATORY TRACT (NOSE
AND THROAT) IRRITATION. AN ALLERGIC REACTION MAY OCCUR IN SOME
PERSONS DUE TO INHALATION OF OR CONTACT WITH THESE PRODUCTS.
EFFECTS OF CHRONIC EXPOSURE..... THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CLASSIFIED AS A
HAZARD BY INHALATION. LONG TERM INHALATION OF RESPIRABLE CRYSTALLINE
SILICA DUSTS IN EXCESS OF THE TLV (THRESHOLD LIMIT VALUE), OVER A
PROLONGED PERIOD MAY CAUSE A NON-CANCEROUS LUNG DISEASE
(SILICOSIS).
MEDICAL CONDITIONS AGGRAVATED BY PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS BRONCHITIS,
OVEREXPOSURE EMPHYSEMA AND ASTHMA.

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	7-13	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..... DO NOT RUB EYES. FLUSH EYES WITH COPIOUS AMOUNTS OF WATER TO
REMOVE ANY DUST PARTICLES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
SKIN CONTACT..... FLUSH WITH PLENTY OF WATER.
INHALATION..... REMOVE FROM DUSTY AREA; DRINK WATER TO CLEAR THROAT; BLOW NOSE TO
EVACUATE DUST. SEEK MEDICAL ATTENTION IF EFFECTS PERSISTS.
INGESTION..... DRINK COPIOUS AMOUNTS OF WATER TO REDUCE BULK AND DRYNESS
EFFECTS.
NOTES TO PHYSICIAN..... N.AV.
MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE, (SUCH AS BRONCHITIS,
EMPHYSEMA, ASTHMA, OR OTHERS).

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Section 05: FIRE FIGHTING MEASURES

T.D.G. FLAM. CLASS..... NON FLAMMABLE.
 FLAMMABILITY..... NON FLAMMABLE.
 IF YES, UNDER WHICH CONDITIONS?
 EXTINGUISHING MEDIA..... WATER, CO2, FOAM, DRY CHEMICAL.
 SPECIAL PROCEDURES..... IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

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..... MATERIAL WILL BURN IF INVOLVED IN A FIRE. LIKE MOST ORGANIC POWDERS, UNDER SEVERE DUSTING CONDITIONS, THIS MATERIAL MAY FORM EXPLOSIVE MIXTURES IN AIR.

EXPLOSIVE POWER..... N.AV.
 RATE OF BURNING..... N.AV.
 SENSITIVITY TO STATIC DISCHARGE..... N.AV.
 SENSITIVITY TO IMPACT..... N.AV.
 HAZARDOUS COMBUSTION PRODUCTS.. SEE HAZARDOUS DECOMPOSITION PRODUCTS.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... VACUUM CLEAN OR WET SWEEP; AVOID DUSTING; USE A DUST SUPPRESSANT WHEN SWEEPING. PLACE IN CONTAINER SUITABLE FOR TRANSPORT AND DISPOSAL.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT GOOD WAREHOUSE AND PRODUCTION HANDLING PRACTICES SHOULD BE FOLLOWED TO LIMIT THE AMOUNT OF DUST. AVOID SOURCES OF IGNITION. IF PRODUCT IS PNEUMATICALLY CONVEYED OR PRESSURIZED IN HIGH CONCENTRATION, DEVICES TO CONTROL STATIC ELECTRICITY ARE RECOMMENDED.

STORAGE NEEDS..... STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Section 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

GLOVES/ TYPE..... USE GLOVES TO PROTECT OVERLY-SENSITIVE SKIN.
 RESPIRATORY/TYPE..... NIOSH APPROVED RESPIRATOR.
 EYE/TYPE..... EYE CONTACT SHOULD BE PREVENTED THROUGH THE USE CHEMICAL SAFETY GLASSES, GOGGLES, OR A FACE MASK.

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.

BY VOLUME
 BY WEIGHT

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

CHEMICAL STABILITY:..... STABLE.
 CONDITIONS TO AVOID..... CONTACT WITH ICOMPATIBLES.
 MATERIALS TO AVOID..... HYDROFLUORIC ACID.
 HAZARDOUS PRODUCTS OF DECOMPOSITION REACTS WITH HYDROFLUORIC ACID TO FORM TOXIC SILICON TETRAFLUORIDE GAS.
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

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Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... 0.1MG/M3 RESPIRABLE QUARTZ (OSHA); 0.05MG/M3 RESPIRABLE CRISTOBALITE (OSHA).
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.
 LD 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.
 CARCINOGENICITY OF MATERIAL..... THIS PRODUCT CONTAINS CRYSTALLINE SILICA (SEE SECTION 3). LONG TERM INHALATION OF RESPIRABLE CRYSTALLINE SILICA DUSTS MAY CAUSE LUNG DISEASE (SILICOSIS). INHALATION OF RESPIRABLE CRYSTALLINE SILICA HAS BEEN CLASSIFIED AS CARCINOGENIC (GROUP1)BY IARC, A UNIT OF THE WORLD HEALTH ORGANIZATION. RESPIRABLE CRYSTALLINE SILICA IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN.
 REPRODUCTIVE EFFECTS..... N.AV.
 IRRITANCY OF MATERIAL..... SEE SECTION 2.
 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.