

MATERIAL SAFETY DATA SHEET.

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SECTION 1: PRODUCT IDENTIFICATION.

PRODUCT NAME: FLEX-MASTIC CAULK & PATCH. PRODUCT No: 7518.

WHMIS CLASSIFICATION. B2, D2a.

HMIS. RATING: Health: 1 Flammability: 3
Reactivity: 0 Personal Protection: B.

SECTION 2: HAZARDOUS INGREDIENTS.

INGREDIENT: CAS. No. % w/w TLV.
STODDARD SOLVENT. 8052-41-3 10-30 100 ppm.

LD 50: (Stoddard Solvent). LC 50: (Stoddard Solvent).
> 5 G/Kg Oral, Rat. > 5 G/M3. Rat.

SECTION 3: PHYSICAL DATA.

PHYSICAL STATE & APPEARANCE: Black mastic.
ODOUR: Slight solvent odour.
VAPOUR PRESSURE: 2 kPa @ 38° C
VAPOUR DENSITY: 4.0 (Air = 1).
EVAPORATION RATE: 0.15 (nButyl Acetate = 1).
BOILING RANGE: 139-200° C
FREEZING POINT: < -18° C
SOLUBILITY IN WATER: Negligible.
SPECIFIC GRAVITY: 1.10
pH: Not Applicable.
V.O.C. CONTENT 325 GRAMS/LITRE

SECTION 4: FIRE AND EXPLOSION DATA.

FLAMMABILITY CLASSIFICATION: Flammable.
UNDER WHAT CONDITIONS ?
Excess heat, open flames and all ignition sources.

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT use water on asphalt fires as it may cause a violent eruption and spread burning asphalt. Hot material may ignite flammable liquids on contact. Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours may travel along ground and flash back along vapour trail may occur.

MEANS OF EXTINCTION: Dry chemical, carbon dioxide or foam.

FLAMMABLE LIMITS: (v/v) (Upper) 7 % (Lower) 1 %

FLASH POINT & METHOD: 25° C (TCC)

AUTOIGNITION TEMPERATURE: No Data available.

HAZARDOUS COMBUSTION PRODUCTS:

CO, CO₂, black smoke are formed on combustion.

SENSITIVITY TO IMPACT: None.

SENSITIVITY TO STATIC DISCHARGE:

Ground all transfer & pumping equipment to avoid static build up.

SECTION 5: REACTIVITY DATA.

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY WITH OTHER SUBSTANCES ? Yes.

WHICH ONES: ? Avoid strong oxidizing agents,
Lewis or Mineral Acids.

REACTIVITY AND UNDER WHAT CONDITIONS ?

Excess heat, open flames and all ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Black smoke & oxides of Carbon are produced on combustion.

SECTION 6: TOXICOLOGICAL PROPERTIES.

SKIN CONTACT: Prolonged and repeated contact with skin may cause defatting and drying of the skin, resulting in skin irritation and dermatitis.

EYE CONTACT: Product & product vapours are moderately irritating to the eyes.

INHALATION: Vapours may be irritating to the respiratory passages. Prolonged exposure to high vapour concentrations may cause headache, dizziness, nausea and central nervous system depression.

INGESTION: This liquid is toxic if taken into the lungs & may cause chemical pneumonitis.

EFFECTS OF ACUTE AND CHRONIC EXPOSURE: See above.

EXPOSURE LIMITS: TLV. 100 ppm (Solvent).

IRRITANCY AND SENSITIZATION OF PRODUCT:

This product is expected to be a skin & eye irritant but not to be a skin sensitizer.

CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY, SYNERGISTIC PRODUCTS:

No other data is available to classify this product further according to the WHMIS criteria.

OTHER TOXICITY DATA: Exposure may occur via inhalation, ingestion or through skin contact. The International Agency for Research on Cancer (IARC) considers that data is insufficient in order to classify as to the carcinogenicity of the product. This product may contain a variety of polycyclic aromatic hydrocarbons (PAH), some of which are associated with the potential of inducing skin cancer. However, during refining, by solvent extraction or vacuum distillation the majority of PAH are removed and hence the risk of carcinogenicity is reduced. Data is insufficient to further classify according to WHMIS criteria.

SUPPLEMENTAL HEALTH INFORMATION: Prolonged or repeated contact of polycyclic aromatic hydrocarbons with skin may cause skin cancer where poor personal hygiene may be a contributing factor. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea, and central nervous system depression. Prolonged or repeated contact may cause various forms of dermatitis including folliculitis and oil acne. May be irritating to respiratory passages.

SECTION 7: PREVENTIVE MEASURES.

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Wear impervious gloves. (Viton, nitrile, or PVC).
EYE: Wear chemical safety goggles.
RESPIRATION: If exposure exceed the TLV, wear a NIOSH approved respirator.
FOOTWEAR: Impervious safety footwear is recommended.
CLOTHING: As required. OTHER: As required.

ENGINEERING CONTROLS: Use explosion proof ventilation as required to control vapour concentrations to below the TLV.

LEAK AND SPILL PROCEDURES:

Stop leak & eliminate ignition sources of ignition.
Wear suitable gloves and protective gear.
Pick up spilled material with a shovel & place into disposal containers. Re-cycle if possible.
Avoid prolonged exposure to vapours. Empty containers are hazardous as they may contain flammable/explosive liquid residue or vapours. Keep away from sparks and open flames.

WASTE DISPOSAL: Dispose of as per all Government regulations.

HANDLING PROCEDURES AND STORAGE REQUIREMENTS:

Handle as a flammable liquid. Store in a cool, dry place.

ENVIRONMENTAL EFFECTS AND HAZARDS:

Do not allow product or runoff from fire control to enter storm or sanitary sewers. Block off drains and ditches.

Regulations may require that environmental and/or other agencies be notified of a spill incident.

Spill area must be cleaned and restored to the satisfaction of authorities.

BIODEGRADABILITY: No Data Available.

DOT SHIPPING DATA: TARS LIQUID, CLASS 3, UN 1999, PG 111

SECTION 8: FIRST AID.

INHALATION: Remove person from further exposure and restore breathing as required. Contact a physician.

EYE CONTACT: Flush with water for at least 5 minutes.
If irritation persists contact a physician.

SKIN CONTACT: Remove from skin with hand cleaner followed by soap and water.

If irritation develops contact a physician.

INGESTION: DO NOT induce vomiting.

Obtain medical attention immediately.

Small amounts of liquid drawn into the lungs from swallowing or vomiting may have severe health effects eg. bronchopneumonia or pulmonary edema.

SECTION 9: PREPARATION DATA.

PREPARED BY: INNOVATIVE MANUFACTURING INC.

DATE: 8 JANUARY 2011

The Information contained herein is based on data believed to be reliable by INNOVATIVE MANUFACTURING INC. It is true and accurate to the best of our knowledge, but is not intended to be all-inclusive. Users should consider this information as a supplement to other information gathered by them and must make their own determination of suitability and completeness to assure proper safe use and disposal of these materials.