

KNAPP PRODUCTS

M.S.D.S.

PRODUCT NAME "FIREFOG 404"

PRODUCT NUMBER

75701

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75701

DATE

01/01/2006

Section 1. Chemical product and company identification

COMPANY KNAPP MANUFACTURING
5227 E. PINE AVE.
FRESNO, CA 93727 USA

FOR EMERGENCIES CALL: 800 255 3924

PRODUCT FIREFOG 404

Section 2. Composition/information on ingredients

CHEMICAL NAME:

PETROLEUM NEPTHA (78.9%) / CAS# 64747-65-7 / OSHA PEL 500 / ACGIH TLV 100 / OTHER LIMITS 100 (SHELL)

WHITE MINERAL OIL (16%) / CAS# 8042-47-5 /

COMPOUNDED FRAGRANCE (4.0%)

NON-HAZARDOUS INGREDIENTS (1.1%)

Section 3. Hazards identification, including emergency overview

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN AND EYE CONTACT.

CHRONIC HEALTH HAZARD(S): PROLONGED OR REPEATED EXPOSURE TO HIGH CONCENTRATIONS MAY CAUSE NEURAL DYSFUNCTION.

SYMPTOMS OF EXPOSURE:

EYE CONTACT – LIQUID AND MIST MAY IRRITATE THE EYES.

SKIN CONTACT – BREIF CONTACT MAY DRY SKIN. PROLONGED OR REPEATED CONTACT MAY IRRITATE SKIN, CAUSING DERMATITIS.

INHALATION – VAPORS AND MISTS IRRITATE THE MUCOUS MEMBRANES. INHALATION OF HIGHER CONCENTRATIONS MAY CAUSE HEADACHES, NAUSEA, VOMITING AND COMA. INHALATION OF VERY HIGH CONCENTRATIONS OR PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH.

INGESTION – SWALLOWING THE LIQUID MAY RESULT IN VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, DO NOT ALLOW VOMITUS TO BE BREATHED INTO THE LUNGS AS EVEN A SMALL QUANTITY IN THE LUNGS MAY RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRHAGE.

Section 4. First aid measures

SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NECESSARY.

EYE CONTACT – IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT – IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING.

INHALATION – REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID MEASURES CONTINUED:

INGESTION – DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, KEEP VICTIMS HEAD BELOW HIS HIPS TO PREVENT HIS BREATHING THE VOMITUS INTO THE LUNGS.

Section 5. Fire fighting measures

EXTINGUISHING MEDIA: USE MEDIA FOR CLASS B FIRES; DRY CHEMICAL, FOAM OR CO2. AVOID DIRECT CONTACT WITH WATER.

FLASH POINT & METHOD USED: 145 T.O.C. AUTO IGNITION TEMPERATURE: NONE
FLAMMABILITY LIMITS IN AIR % BY VOLUME: LEL – 1 / UEL - 6

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE. AVOID ACCUMULATION OF WATER BECAUSE THIS PRODUCT WILL FLOAT ON WATER AND MAY REIGNITE ON THE SURFACE OF THE WATER.

Section 6. Accidental release measures

WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER GLOVES, RUBBER BOOTS, RUBBER APRON, CHEMICAL GOGGLES AND RESPIRATORY EQUIPMENT. EXTINGUISH ALL IGNITION SOURCES AND ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED. FOR SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS; CONTAIN BY DIKING WITH SOIL OR OTHER ABSORBENT MATERIAL AND THEN PUMP INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATER AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILLS REPORTING , HANDLING AND DISPOSAL OF WASTE.

Section 7. Handling and storage

KEEP AWAY FROM HEAT, SPARKS AND FLAMES. STORE IN A COOL PLACE. VENT CONTAINERS FREQUENTLY, AND MORE OFTEN IN WARM WEATHER, TO RELIEVE PRESSURE.. ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT AND USE ONLY NON-SPARKING TOOLS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT GET IN EYES, ON SKIN OR CLOTHING.

Section 8. Exposure controls/personal protection

USE NIOSH-APPROVED CANNISTER RESPIRATOR IN THE ABSENCE OF ADEQUATE ENVIRONMENTAL CONTROLS AT THE POINT OF USE. RUBBER GLOVES, CHEMICAL GOGGLES, LONG-SLEEVED SHIRTS, TROUSERS, SAFETY SHOES AND RUBBER APRON ARE RECOMMENDED PROTECTION. AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

VENTILATION – LOCAL EXHAUST.

Section 9. Physical and chemical properties

BOILING POINT: 366 – 406 F	VAPOR PRESSURE: 1 ATM @ 100 F	VAPOR DENSITY: 1
SPECIFIC GRAVITY: .77	MELTING POINT: N/A	EVAPORATION RATE: NONE
SOLUBILITY IN WATER: LESS THAN .001	WATER REACTIVE: NONE	
APPEARANCE AND ODOR: CLEAR COLORLESS LIQUID.		

Section 10. Stability and reactivity

STABLE. AVOID HEAT, SPARKS AND OPEN FLAMES. AVOID OXIDIZIN AGENTS. HAZARDOUS DECOMPOSITION PRODUCTS MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUND IN BLACK SMOKE.
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

Section 11. Toxicological information

N/A

Section 12. Ecological information

N/A

Section 13. Disposal considerations

DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED OF FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

NOTE: EMPTY CONTAINERS CAN HAVE RESIDUE, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL AS ABOVE.

Section 14. Transport information

CLASS 55 FOR GROUND TRANSPORTATION.

Section 15. Regulatory information

N/A

Section 16. Other information

DO NOT CUT, GRIND, WELD OR DRILL ON OR NEAR THIS CONTAINER. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPOR. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

NFPA RATING: HEALTH – 2 / FLAMMABILITY – 2 / REACTIVITY – 0 / SPECIAL - NONE

FOR MORE INFORMATION CALL:

- IN THE USA: 877 278 6630
- FAX: 559 292 0903
- ON THE WEB: www.knappproducts.com
- E-MAIL: bob@astoneusa.com