

KNAPP PRODUCTS

M.S.D.S.

PRODUCT NAME "CITRA CLEAN"

PRODUCT NUMBER

71201

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71201

DATE

01/01/06

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 CITRA CLEAN

Section 2. Composition/information on ingredients

CHEMICAL NAME:

PETROLEUM NAPHTHA (75.1%) / CAS# 64747-65-7 / OSHA PEL 500 / ACHIG TLV 100 / OTHER LIMITS RECOMMENED 100 (SHELL)

LIMONENE (24.0%) / CAS# 5989-27-5

NON-HAZARDOUS INGREDIENTS: (.9%)

Section 3. Hazards identification, including emergency overview

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

NO ACUTE HEALTH HAZARDS KNOWN. CHRONIC HEALTH HAZARDS - PROLONGED OR REPEATED EXPOSURE TO HIGH CONCENTRATIONS MAY CAUSE NEURAL DYSFUNCTION.

SYMPTOMS OF EXPOSURE:

INHALATION – VAPORS AND MISTS IRRITATE 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.

EYE CONTACT – LIQUID AND MIST MAY IRRITATE THE EYES.

SKIN CONTACT – BRIEF CONTACT MAY DRY SKIN. PROLONGED OR REPEATED CONTACT MAY IRRITATE THE SKIN CAUSING DERMITITIS.

INGESTION – SWALLOWING 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

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

EYE CONTACT – IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. LIFTING THE UPPER AND LOWER EYELIDS OCASIONALLY. 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.

FIRST AID MEASURES CONTINUED:

INGESTION – NO 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: 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 WATER.

Section 6. Accidental release measures

WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON, CHEMICAL GOGGLES AND RESPIRATORY PROTECTION. 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-APPROVAL WASTE CONTAINERS. FOR LARGE SPILLS, CONTAIN BY DIKING WITH SOIL OR OTHER ABSORBENT MATERIAL AND THEN PUMP INTO DOT-APPROVAL WASTE CONTAINERS OR SOAK UP WITH ABSORBENT MATERIAL AND PLACE THE RESIDUE IN DOT-APPROVAL WASTE CONTAINERS. KEEP OUT OF SEWERS, STORMS DRAINS, SURFACE WATER AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILLS REPORTING AND 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 OR ON SKIN OR CLOTHING.

Section 8. Exposure controls/personal protection

RESPIRATORY PROTECTION: NIOSH-APPROVED CANNISTER RESPIRATOR IN THE ABSENCE OF ADEQUATE ENVIRONMENTAL CONTROLS AT THE POINT OF USE.

USE RUBBER GLOVES, CHEMICAL GOGGLES, SAFETY SHOES, AND RUBBER APRONS. WEAR LONG SLEEVED SHIRTS AND TROUSERS. 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

WATER REACTIVE: NONE

SOLUBILITY IN WATER: LESS THAN .001

APPEARANCE AND ODOR: CLEAR COLORLESS LIQUID, LEMON ODOR.

Section 10. Stability and reactivity

STABLE. AVOID HEAT AND SPARKS AND OPEN FLAMES AND OXIDIZING 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 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

REPAIR AND MAINTENANCE PRECAUTIONS – DO NOT CUT, GRIND, WELD OR DRILL ON OR NEAR THIS CONTAINER.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS – 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.knappmfg.com
- E-MAIL: bob@astoneusa.com

This form complies with OSHA's Hazard Communication Standard, 20 CFR 1910.1200. Knapp Manufacturing believes the above information is reliable. Handling of the designated product shall be restricted to qualified persons. Knapp Manufacturing makes no warranty, expressed or implied, with respect to such information and assumes no responsibility whatever for any damage which results from the use of such information or the designated product. Users must make their own tests when using the designated product with any other product or any process.