**ES1294 ES1294CB ES1694 FLUX-OFF NR 2000**

**MSDS Number**
BWKTN

**National Stock Number**
6850-00F038182

**Product Name**
ES1294 ES1294CB ES1694 FLUX-OFF NR 2000

**Manufacturer**
CHEMTRONICS INC

**Product Identification**
Product ID: ES1294 ES1294CB ES1694 FLUX-OFF NR 2000
MSDS Date: 07/16/1994
FSC: 6850
NIIN: 00F038182
MSDS Number: BWKTN

**Responsible Party**
CHEMTRONICS INC
8125 COBB CTR DR
KENNESAW, GA 30144-5000
US
Emergency Phone: 404-424-4888/800-832-4401
Info Phone: 800-645-5244/404-424-4888
Preparer: MICHAEL S WATKINS
Cage: 2M589

**Contractor**
CHEMTRONICS INC (CANCELLED USE 21267)
HAUPPAUGE, NY 11760
US
770-424-4888/800-645-5244
Cage: 2M589

**Ingredients**
ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROpanol, DIMETHYL
CAS: 67-63-0
RTECS: NT8050000
Fraction By Weight: 30-35%
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM

ISOBUTANE, 2-METHYLPROPANE
CAS: 75-28-5
RTECS: TZ4300000
Fraction By Weight: 20-25%
OSHA PEL: 1800 MG/CUM
ACGIH TLV: 1000 PPM

PROPANE
CAS: 74-98-6
RTECS: TX2275000
Fraction By Weight: 1-5%
OSHA PEL1000 PPM
ACGIH TLV: SIMPLE ASPHYXIANT

ETHANOL (ETHYL ALCOHOL), TECSON, ALCOHOL
CAS: 64-17-5
RTECS: KQ6300000
Fraction By Weight: 35-40%
OSHA PEL1000 PPM
ACGIH TLV: 1000 PPM

ETHYL ACETATE
CAS: 141-78-6
RTECS: AH5425000
Fraction By Weight: 1-5%
OSHA PEL1400 MG/CUM
ACGIH TLV: 1400 MG/CUM
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

METHANOL (METHYL ALCOHOL), COLUMBIAN SPIRITS *94-4*
CAS: 67-56-1
RTECS: PC1400000
Fraction By Weight: 1-5%
OSHA PEL260 MG/CUM
ACGIH TLV: 262 MG/CUM (SKIN)
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

HEXONE, METHYL ISOBUTYL KETONE (MIBK), 4-METHYL-2-PENTANONE
CAS: 108-10-1
RTECS: SA9275000
Fraction By Weight: 0.1-1%
OSHA PEL410 MG/CUM
ACGIH TLV: 205 MG/CUM
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS
Hazards
LD50 LC50 Mixture: ORAL LD50 (RAT): 5,840 MG/KG ISOPROPANOL
Routes of Entry: Inhalation: YES Skin: NO Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: Inhalation: HARMFUL. HIGH CONCENTRATION OF VAPORS IN IMMEDIATE AREA CAN DISPLACE OXYGEN & CAN CAUSE DEATH W/ LONGER EXPOSURE. Skin: IRRITATION. Ingestion: HARMFUL, MOUTH/THROAT & STOMACH IRRITATION. Eye: IRRITATION.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: IRRITATION, DROWSINESS, HEADACHE, PAIN, TEARING, REDDENING, SWELLING, STINGING SENSATION, VOMITING, DIZZINESS, UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure: PRE-EXISTING HEART, LUNG, SKIN, EYE CONDITIONS.

First Aid
First Aid: Eyes: IMMEDIATELY FLUSH W/PLENTRY OF WATER. AFTER INITIAL FLUSHING, REMOVE CONTACT LENSES AND CONTINUE FLUSHING FOR 15 MINS. Skin: WASH W/ SOAP & WATER. Ingestion: INDUCE VOMITING IMMEDIATELY AS DIRECTED BY A MEDICAL PERSONNEL. KEEP HEAD BELOW KNEES TO MINIMIZE CHANCE OF ASPIRATING MATERIAL INTO LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Inhalation: REMOVE TO FRESH AIR. (SEE SUPP)

Fire Fighting
Flash Point Method: TCC
Flash Point: 58F LIQUID(SUPP)
Extinguishing Media: ALCOHOL FOAM, CO2, WATER SPRAY
Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS (PRESSURE DEMAND, MSHA/NIOSH APPROVED/EQUIVALENT) & FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard: FLAMMABLE GAS

Accidental Release
Spill Release Procedures: LARGE/ SMALL: SHUT OFF LEAK SAFELY. WEAR SCBA & APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ABSORB W/ INERT MATERIAL THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR DISPOSAL. DON'T FLUSH TO SEWER. AVOID RUN OFF INTO SEWERS/DITCHES WHICH LEAD TO WATERWAYS.

Handling
Handling and Storage Precautions: DON'T REUSE CONTAINER. STORE IN COOL DRY PLACE AWAY FROM HEAT, SPARKS, FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DON'T STORE IN DIRECT SUNLIGHT.
Other Precautions: AVOID PROLONGED/REPEATED CONTACT W/ EYES, SKIN & CLOTHING. AVOID BREATHING VAPORS/MIST. KEEP OUT OF REACH OF CHILDREN. DON'T PUNCTURE/ INCINERATE CONTAINERS.

Exposure Controls
Respiratory Protection: WEAR A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR.
Ventilation: GENERAL VENTILATION, LOCAL EXHAUST
Protective Gloves: RUBBER/ CHEMICALLY RESISTANT
Eye Protection: SAFETY GLASSES W/ SIDE SHIELDS
Other Protective Equipment: GOGGLES & FULL FACE SHIELD.
Work Hygienic Practices: REMOVE/ LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
EMERGENCY FIRST AID CONT'D: INHALATION: GIVE CPR/OXYGEN IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES. FLASH POINT CONT'D: -156F PROPELLANT.

Chemical Properties
Boiling Pt: B.P. Text: 172F
Vapor Pres: 40
Vapor Density: >1.59
Spec Gravity: 0.79
Evaporation Rate & Reference: (BU AC =1): >1
Solubility in Water: NEGLIGIBLE
Appearance and Odor: CLEAR COLORLESS LIQUID W/ALCOHOL ODOR
Percent Volatiles by Volume: 100

**Stability**

Stability Indicator/Materials to Avoid: YES
POWDERED ALKALI, ALKALINE EARTH METALS, STRONG OXIDIZING AGENTS.
Stability Condition to Avoid: OPEN FLAMES, RED HOT SURFACES, SOURCES OF IGNITION, HEAT, DIRECT SUNLIGHT.
Hazardous Decomposition Products: CO, CO2, INCOMPLETELY BURNED HYDROCARBONS.

**Disposal**


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