CHEMTRONICS INC -- FLUX -OFF NR;C891;C1691,C2491 -- 6850-00-602-2347

==================== Product Identification =====================

Product ID: FLUX -OFF NR;C891;C1691,C2491
MSDS Date: 06/01/1987
FSC: 6850
NIIN: 00-602-2347
MSDS Number: BJPDY

=== Responsible Party ===
Company Name: CHEMTRONICS INC
Address: 681 OLD WILLETS PATH
City: HAUPPAUGE
State: NY
ZIP: 11788
Country: US
Info Phone Num: 516-582-3322
Emergency Phone Num: 516-582-3322
Preparer's Name: S.H. STEIN, PHD
CAGE: 2M589

=== Contractor Identification ===
Company Name: CHEMTRONICS INC
Address: 8125 COBB CENTER DRIVE
Box: City: KENNESAW
State: GA
ZIP: 30152
Country: US
Phone: 770-424-4888/800-645-5244
CAGE: 21267
Company Name: CHEMTRONICS INC (CANCELLED USE 21267)
City: HAUPPAUGE
State: NY
ZIP: 11760
Country: US
CAGE: 2M589

============= Composition/Information on Ingredients =============

Ingred Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)
CAS: 76-13-1
RTECS #: KJ4000000
Fraction by Wt: 92.0%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000PPM/1250STEL
ACGIH TLV: 1000PPM/1250STEL9192
Ozone Depleting Chemical: 1

Ingred Name: METHYL ALCOHOL (METHANOL) (SARA III)
CAS: 67-56-1
RTECS #: PC1400000
Fraction by Wt: 5.0%
Other REC Limits: NONE SPECIFIED
OSHA PEL: S, 200PPM/250STEL
ACGIH TLV: S, 200PPM/250STEL; 93
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Ingred Name: CARBON DIOXIDE
CAS: 124-38-9
**Hazards Identification**

**Routes of Entry:** Inhalation: YES  Skin: YES  Ingestion: YES

**Reports of Carcinogenicity:** NTP: NO  IARC: NO  OSHA: NO

**Health Hazards Acute and Chronic:**
- **ACUTE:** Irritation of eyes, skin, respiratory or gastrointestinal tracts; CNS effects like headache, dizziness, nausea and vomiting. Redness or burns of eyes/skin possible.
- **CHRONIC:** Drying of skin, defatting or dermatitis, damage to lungs, eyes.

**Explanation of Carcinogenicity:** Data per MSDS

**Effects of Overexposure:** May cause irritation of eyes, skin, respiratory or gastrointestinal tracts; may cause headache, dizziness, nausea, vomiting or gastrointestinal disturbances possible. Burns or redness of eyes/cracking or dryness of skin.

**Medical Cond Aggravated by Exposure:** Persons with a history of ailments or with a pre-existing disease involving the eyes, skin, or respiratory tract may be at increased risk from exposure.

**First Aid Measures**

**Inhalation:** Remove to fresh air. Resuscitate if not breathing. Get medical attention.

**Eyes:** Immediately flush with plenty of water for 15 minutes holding eyelids open. Get medical attention.

**Skin:** Remove contaminated clothing. Wash with soap and water. If irritation persists, get medical advice.

**Ingestion:** Do not induce vomiting. Give nothing by mouth if unconscious. Get immediate medical attention.

**Fire Fighting Measures**

**Flash Point Method:** TOC

**Flash Point:** NONE

**Extinguishing Media:** Use water fog, carbon dioxide, foam, or dry chemical.

**Fire Fighting Procedures:** Firefighters should use NIOSH approved SCBA & full protective equipment when fighting chemical fire. Use water spray to cool nearby containers exposed to fire.

**Unusual Fire/Explosion Hazard:** Container may burst due to extreme heat. Fire or excessive heat may cause production of hazardous decomposition products.

**Accidental Release Measures**

**Spill Release Procedures:** Use proper personal protection; ventilate the area. Contain free material if possible; use suitable inert absorbent material and recover for proper disposal in an approved container.
Neutralizing Agent: NOT APPLICABLE.

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. DO NOT HEAT > 120°F.

Other Precautions: DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation: LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves: NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

Physical/Chemical Properties

HCC: V2

Boiling Pt: B.P. Text: 103°F, 39°C

Vapor Pres: 429

Vapor Density: 2.8

Spec Gravity: 1.48

Evaporation Rate & Reference: 1.0; ETHER = 1

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS, CLEAR LIQUID, FAINT SOLVENT ODOR.

Percent Volatiles by Volume: 100.0

Stability and Reactivity Data

Stability Indicator/Materials to Avoid: YES

ALKALI OR ALKALINE EARTH METALS, POWDERED AL, ZN, BE, ETC.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: HCL, HF, AND CARBONYL HALIDES; ALSO CARBON MONOXIDE, CARBON DIOXIDE AND OTHER UNIDENTIFIED COMPONENTS.

Disposal Considerations

Waste Disposal Methods: CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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