



MATERIAL SAFETY DATA SHEET

UPS F. 1080
Electro Contact Cleaner

Manufactures by : WESTERS INDUSTRIES, PT
Jl. Industri Selatan 10 Blok EE No. 11B Jababeka industrial
District Cikarang – Indonesia
Emergency call : 6221-89841382
Website : www.westers-ind.com
Email : info@westers-ind.com

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1. PRODUCT AND COMPANY

Product Identifier: UPS F.1080 ELECTRO CONTACT CLEANER
Part Number(s): F.1080
Product Use: Electro Contact Cleaner
Manufacturer: UPS Chemicals Products
Supplier: UPS Laboratories, Inc
Emergency Telephone Number: 1-800-234-8246

2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD 50 OF INGREDIENT (SPECIES & ROUTE)	LC 50 OF INGREDIENT (SPECIES & ROUTE)
1-Methoxy-nonafluorobutane	0-60	163702076	N.av	N.av
1-Methoxy-nonaisofluorobutane	0-60	163702087	N.av	N.av
Decafluoropentane	0-60	138495428	N.av	N.av
1,1,1,2-Tetrafluoroethane	30-50	75-37-6	N.av	N.av

3. PHYSICAL DATA

PHYSICAL STATE : Liquid
BOILING POINT: 13-15/C
VAPOUR PRESSURE: >170 mmHg
EVAPOURATION RATE: Fast
ODOUR & APPEARANCE: Colorless liquid.
COEFF. WATER / OIL DIST.: Slight in water.
SPECIFIC GRAVITY: 1.50-1.60
FREEZING POINT: N.av
VAPOUR DENSITY (AIR=1): >1
PH:

4. FIRE & EXPLOSION DATA

FLAMMABILITY: No
MEANS OF EXTINCTION: Water fog, dry chemical, carbon dioxide.
FLASH POINT (/C): None
FLAMMABILITY LIMITS (% BY VOLUME)
AUTOIGNITION TEMP.: N.av
SENSITIVITY TO STATIC DISCHARGE: N.av
HAZARDOUS COMBUSTION PRODUCTS : CO, CO2, HF
UNDER WHAT CONDITIONS: N.ap
METHOD: TCC
UPPER: None LOWER: None
SENSITIVITY TO IMPACT: N.av

5. REACTIVITY DATA

CHEMICAL STABILITY: Stable
INCOMPATIBILITY WITH : Powdered metals such as aluminum, magnesium, calcium, zinc.
OTHER SUBSTANCES Do not store in aluminum container.
HAZARDOUS DECOMPOSITION PRODUCTS: See HAZARDOUS COMBUSTION PRODUCTS.
REACTIVITY AND UNDER WHAT : See "INCOMPATIBILITY WITH OTHER SUBSTANCES."
CONDITIONS



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6. TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Inhalation, ingestion, skin, eyes.
EFFECTS OF ACUTE EXPOSURE: Inhalation - dizziness, lightheadedness. High levels may cause asphyxiation or cardiac arrhythmias. Skin - may cause defatting, irritation. Eyes - may cause irritation.
EFFECTS OF CHRONIC EXPOSURE: Skin irritation on repeated contact.
EXPOSURE LIMITS: TLV
CARCINOGENICITY: None known
TERATOGENICITY: None known
MUTANOGENICITY: None known
IRRITANCY OF PRODUCT: Eyes
SYNERGISTIC PRODUCTS: None known
REPRODUCTIVE TOXICITY: None known
SENSITIZATION TO PRODUCT: None known

7. PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES: Solvent resistant
FOOTWEAR: No.
RESPIRATOR: Self contained above TLV.
ENGINEERING CONTROLS: Use mechanical means to keep concentration below TLV.
LEAK & SPILL PROCEDURE: Remove sources of ignition, ventilate, absorb with absorbent, place in closed container.
WASTE DISPOSAL: Dispose of in accordance with Local, Provincial, and Federal Regulations.
HANDLING PROCEDURES : N.ap
& EQUIPMENT
STORAGE REQUIREMENTS: Cool dry area
SPECIAL SHIPPING : Consumer Commodity by road or rail only.
INFORMATION

EYES (SPECIFY): Safety glasses
CLOTHING: No

8. FIRST AID MEASURES

1. INHALATION : Remove to fresh air, apply artificial respiration if necessary.
2. EYE : Flush for 15 minutes with large amounts of water.
3. SKIN : Wash affected area with soap and water.
4. INGESTION : DO NOT INDUCE VOMITING. Call physician or poison control centre.