

**NRP****MATERIAL SAFETY DATA SHEET****PRODUCT IDENTIFICATION**

PRODUCT: **NRP ELECTRIC CONTACT CLEANER**  
 PRODUCT CODE: **N4830**

**HMIS:** H2 FI R0 PX  
**NFPA:** H2 F1 R0 P-  
 LEVEL 1 AEROSOL

**MANUFACTURER:** ComStar Intl. Inc.

**ADDRESS:** 20-45 • COLLEGE POINT, NY 11356

**INFORMATION:** 718-445-7900

**EMERGENCY:** CHEMTREC - 800-424-9300

DATE: 5/2003

PREPARER: R. Madariaga

DISTRIBUTOR: **NATIONAL REFRIGERATION PRODUCTS**

**2900 SAMUEL DRIVE · BENSLEM, PA 19020-7306**

**1-800-352-6951**

**HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY)	CAS NUM	OSHA PEL	ACGIH TLV/TWA	OTHER LIMITS RECOMMENDED	% WT
* PERCHLOROETHYLENE	127-18-4	25	25	NA	60-97
CARBON DIOXIDE	124-38-9	10000	5000	NA	

\* Subject to the reporting requirements of SARA Section 313.

**PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 103 DEG. F

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.63

**VAPOR PRESSURE:** @ 70 DEG. F 95 PSIG

**MELTING POINT:** NA

**VAPOR DENSITY (AIR=1):** >1

**EVAPORATION RATE:** <1

**SOLUBILITY IN WATER:** NEGLIGIBLE (BUTYL ACETATE = 1)

**APPEARANCE AND ODOR:** CLEAR COLORLESS LIQUID WITH MILD ETHEREAL ODOR

**FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** NONE

**FLAMMABLE LIMITS IN AIR (VOL)** LEL: N/A UEL: N/A

**EXTINGUISHING MEDIA:** WATER, WATER FOG, DRY CHEMICAL, CO<sub>2</sub>,

**SPECIAL FIREFIGHTING PROCEDURES:** SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREMAN FIGHTING IN BUILDINGS OR CONFINED AREAS..

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** AEROSOLS ARE UNDER PRESSURE. EXPOSURE IN EXCESS OF 120 DEG. MAY CAUSE BURSTING OF CAN.

**REACTIVITY DATA**

**STABILITY:** STABLE      **HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR  
**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS AND ALKALIES.  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** BURNS TO FORM CO<sub>2</sub>, CO, HCL AND POSSIBLE TRACE AMOUNT INCOMPLETELY DECOMPOSED MATERIALS.

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### HEALTH HAZARD DATA

**ROUTE (S) OF ENTRY:** INHALATION YES      SKIN YES      INGESTION YES

**HEALTH HAZARDS (ACUTE & CHRONIC):** SKIN AND EYE IRRITANT. PROLONGED INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION

**CARCINOGENITY:** NTP 2B      IARC MONOGRAPNS 2B      OSHA REGULATED NONE

**SIGNS & SYMPTOMS OF EXPOSURE:** POSSIBLE EYE IRRITATION WITH BURNING SENSATION. PROLONGED OR REPEATED CONTACT WITH MATERIAL MAY CAUSE IRRITATION. OVEREXPOSURE MAY CAUSE NAUSEA, HEADACHE, DIZZINESS.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NONE KNOWN

**EMERGENCY & FIRST AID PROCEDURES:** FLUSH EYES WITH WATER. WASH SKIN WITH SOAP AND WATER. REMOVE PATIENT TO FRESH AIR. CALL A PHYSICIAN IF NECESSARY.

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### PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL:** AVOID INHALATION OF CONCENTRATED VAPORS. ABSORB SPILLED MATERIAL WITH APPROPRIATE ABSORBENT.

**WASTE DISPOSAL METHOD:** DISPOSE OF ALL WASTE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** KEEP AWAY FROM HEAT, SPARKS, OPOEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE CONTAINER.

**PRECAUTIONS:** INTENTIONAL MISUE BY DELIBERATELY CONCENTRATING AND INHALING VAPOR CONTENTS CAN BE HARMFUL OR FATAL.

**WORK/HYGIENIC PRACTICES:** PROVIDE ADEQUATE VENTILATION WHEN USING PRODUCT. WEAR SAFETY GLASSES. WASH HANDS AFTER USING. USE AN OSHA APPROVED ORGANIC MIST RESPIRATOR IF SENSITIVE TO SOLVENTS.

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### CONTROL MEASURES

**RESPIRATORY PROTECTION:** NOT NECESSARY UNDER NORMAL USE.

**VENTILATION:** LOCAL EXHAUST: YES      SPECIAL: NONE  
MECHANICAL (GENERAL) NONE      OTHER: NONE

**PROTECTIVE GLOVES:** RUBBER

**EYE PROTECTION:** SAFETY GLASSES OR GOGGLES OR FACE SHIELD.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** PLASTIC APRON.

**WORK/HYGIENIC PRACTICES:** WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

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**DOT SHIPPING INFORMATION**

**PROPER SHIPPING NAME:** CONSUMER COMMODITY, PRESSURIZED AEROSOL CANS  
**HAZARD CLASS:** ORM-D

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**DISCLAIMER**

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