

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

PRODUCT: **NRP COIL FLUSH CLEANER**  
 PRODUCT CODE: **CF-20**

	<b>H</b>	<b>F</b>	<b>R</b>
<b>HMIS:</b>	2	1	0
<b>NFPA:</b>	1	2	0

MANUFACTURER: **International #1, A Division of ComStar Intl. Inc.**

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

INFORMATION: **718-445-7900**

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

DATE: 5/03

PREPARER: R. Madariaga

DISTRIBUTOR: **NATIONAL REFRIGERATION PRODUCTS**

**2900 SAMUEL DRIVE • BENSALEM, PA 19020-7306**

**1-800-352-6951**

**INGREDIENTS/SARA TITLE III INFORMATION**

<b>COMPONENTS</b>	<b>CAS NUM</b>	<b>WEIGHT</b>
BLENDING FORMULA (TRADE SECRET)	NONE	100%

**PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b> 193°C/380°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> .936
<b>VAPOR PRESSURE@77°F:</b> .501	<b>MELTING POINT:</b> N/A
<b>VAPOR DENSITY (AIR =1):</b> 5.09	<b>EVAPORATION RATE:</b>
<b>SOLUBILITY IN WATER:</b> COMPLETE	<b>(Butyl Acetate =1):</b> .838
<b>APPEARANCE AND ODOR:</b> LIQUID COLORLESS WITH SLIGHT ODOR	

**FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** 182°F

**FLAMMABLE LIMITS IN AIR (VOL)** LEL: 135°C(275°F)  
 UEL: 199°C(390°F)

**EXTINGUISHING MEDIA:** WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE (CO<sub>2</sub>), ALCOHOL FOAM

**SPECIAL FIREFIGHTING PROCEDURES:** WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

**HAZARDOUS COMBUSTION PRODUCTS:** CARBON DIOXIDE, CARBON MONOXIDE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FORMS PEROXIDES OF UNKNOWN STABILITY.

**REACTIVITY DATA**

<b>STABILITY:</b> STABLE	<b>HAZARDOUS POLYMERIZATION:</b> WILL NOT OCCUR
<b>CONDITIONS TO AVOID:</b> SEE BELOW	<b>CONDITIONS TO AVOID:</b> NONE KNOWN
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b> STRONG OXIDIZING AGENTS	
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> NONE KNOWN	

## **HEALTH HAZARD DATA**

### **EFFECTS OF EXPOSURE:**

INHALATION: LOW HAZARD FOR USUAL INDUSTRIAL HANDLING BY TRAINED PERSONAL.  
EYES: CAUSES IRRITATION  
SKIN: LOW HAZARD FOR USUAL INDUSTRIAL HANDLING BY TRAINED PERSONAL.  
INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

**SYMPTOMS OF EXPOSURE:** IRRITATION, RASH, DIZZINESS, HEADACHE, NAUSEA

**ACUTE AND CHRONIC HEALTH HAZARDS:** NONE KNOWN

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

---

---

### **EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** HOLD EYELIDS OPEN AND FLUSH WITH WATER FOR 15 MINUTES.

**SKIN CONTACT:** REMOVE CONTAMINATED CLOTHING, WASH SKIN WITH SOAP AND WATER.  
WASH CLOTHES BEFORE REUSE.

**INGESTION:** SEEK MEDICAL ADVICE.

**INHALATION:** REMOVE EXPOSED PERSON TO FRESH AIR. TREAT SYMPTOMATICALLY.

**CALL A PHYSICIAN FOR ALL MEDICAL PURPOSES.**

---

---

### **PRECAUTIONS/CONTROL MEASURES FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL:** SMALL: ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE; LARGE: FLUSH SPILL AREA WITH WATER SPRAY. PREVENT RUN-OFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

**WASTE DISPOSAL METHOD:** DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL LAWS.

**PRECAUTIONS FOR STORAGE AND HANDLING:** KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE. OTHER: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPOR CONTENTS CAN BE HARMFUL.

**WORK/HYGIENIC PRACTICES:** RESPIRATORY PROTECTION IS NOT NEEDED UNDER CONDITIONS OF NORMAL USE. PROVIDE LOCAL EXHAUST. AVOID CONTACT. WEAR SAFETY GLASSES/GOGGLES AND RUBBER GLOVES. WEAR ADDITIONAL PROTECTIVE CLOTHING IF CONTACT IS A POSSIBILITY. WASH HANDS AND CLOTHING AFTER HANDLING.

---

---

### **DISCLAIMER**

INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION. NO WARRANTY IS MADE CONCERNING THE ACCURACY AND NO LIABILITY SHALL BE MADE FOR CLAIMS FOR USE OR RELIANCE OF THE RECOMMENDATIONS CONTAINED HEREIN.