

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

PRODUCT: NRP COIL FLUSH CLEANER

PRODUCT CODE: CF-20

	H	F	R
HMIS:	2	1	0
NFPA:	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

COMPONENTS	CAS NUM	WEIGHT
BLENDED FORMULA (TRADE SECRET)	NONE	100%

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 193°C/380°F

SPECIFIC GRAVITY (H₂O=1): .936

VAPOR PRESSURE@77°F: .501

MELTING POINT: N/A

VAPOR DENSITY (AIR =1): 5.09

EVAPORATION RATE:

SOLUBILITY IN WATER: COMPLETE

(Butyl Acetate =1): .838

APPEARANCE AND ODOR: 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 (CO₂), 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

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: SEE BELOW

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: 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.