

NRP**MATERIAL SAFETY DATA SHEET****PRODUCT IDENTIFICATION**PRODUCT: **NRP SPRAY ADHESIVE**PRODUCT CODE: **N4820**

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| | H | F | R | P |
| HMIS: | 2 | 3 | 0 | X |
| NFPA: | 2 | 3 | 0 | - |

LEVEL 3 AEROSOL

MANUFACTURER: ComStar Intl. Inc.**ADDRESS:** 20-45 • COLLEGE POINT, NY 11356**INFORMATION:** 800-352-6951**EMERGENCY:** CHEMTREC - 800-424-9300

DATE: 5/2003

PREPARER: R. Madariaga

DISTRIBUTOR: NATIONAL REFRIGERATION PRODUCTS**2900 SAMUEL DRIVE · BENSALEM, PA 19020-7306****1-800-352-6951****HAZARDOUS INGREDIENTS/IDENTITY INFORMATION****HAZARDOUS COMPONENTS**

| | CAS NUM | OSHA PEL | ACGIH TLV-TWA | OTHER LIMITS RECOMMENDED |
|-----------|----------|-------------|------------------|-----------------------------|
| HEPTANE | 142-82-5 | 400 PPM | 400 PPM | NA |
| ISOBUTANE | 75-28-5 | NE PPM | NE PPM | 800 PPM (AEROPRESS) |
| PROPANE | 74-98-6 | 1000PPM | NE PPM | 1000PPM (NIOSH) |

PHYSICAL/CHEMICAL CHARACTERISTICS**BOILING POINT:** 94°F**SPECIFIC GRAVITY (H₂O=1):** 0.60**VAPOR PRESSURE @ 70°F:** 45 psig**MELTING POINT:** N/A**VAPOR DENSITY:** >1**EVAPORATION RATE:** >1**SOLUBILITY IN WATER:** INSOLUBLE

(BUTYL ACETATE = 1)

APPEARANCE AND ODOR: WHITISH CLOUDY LIQUID WITH MILD PETROLEUM SOLVENT ODOR**FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** (F): (CON.) 94 DEG. **FLAMMABLE LIMITS:** LEL NA UEL NA**EXTINGUISHING MEDIA:** WATER, WATER FOG CARBON DIOXIDE, DRY CHEMICAL**SPECIAL FIREFIGHTING PROCEDURES:** SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREMEN FIGHTING IN BUILDINGS OR CONFINED AREAS.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** AEROSOLS ARE UNDER PRESSURE. EXPOSURE IN EXCESS OF 120°F MAY CAUSE BURSTING OF CAN.

REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HIGH TEMPERATURES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS AND ALKALIES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: BURNS TO FORM CO₂, CO, HCL AND POSSIBLE TRACE AMOUNT INCOMPLETELY DECOMPOSED MATERIALS.

HEALTH HAZARD DATA

ROUTE(S) of ENTRY: INHALATION? YES SKIN? YES INGESTION? YES

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

| | | | |
|-------------------------|-----|-----------------|----------------|
| CARCINOGENICITY: | NTP | IARC MONOGRAPHS | OSHA REGULATED |
| | NO | NO | NO |

SIGNS AND 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 AND FIRST AID PROCEDURES:

FLUSH EYES WITH WATER:
WASH SKIN WITH SOAP AND WATER:
REMOVE PATIENT TO FRESH AIR.

CALL A PHYSICIAN IF NECESSARY.

PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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 AND STORAGE: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE CONTAINER.

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

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, GOGGLES OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PLASTIC APRON

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

DOT SHIPPING INFORMATION

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

DISCLAIMER

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