

MATERIAL SAFETY DATA SHEET**PRODUCT IDENTIFICATION**

PRODUCT: **NRP HD DEGREASING SOLVENT**
PRODUCT CODE: **NDSIG / NDS17OZ.**

HMIS CODES: **H F R**
3 2 0

MANUFACTURER: COMSTAR INTERNATIONAL INC.

ADDRESS: 20-45 128th STREET, 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 · BENSALEM, PA 19020-7306
1-800-352-6951

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY)	CAS NUM	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED (OPTIONAL)	PERCENTAGE
ALIPHATIC HYDROCARBON	8030-30-6	100PPM	100PPM		
DIPROPYLENE GLYCOL MONOETHLY	034590-94-8	100PPM	100PPM		
PERCHLORETHYLENE	127-18-4	50PPM	50PPM		

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 350°F

MELTING POINT: NA

VAPOR PRESSURE @ 70 DEG F: > 2.0

SPECIFIC GRAVITY (H₂O=1): < .7

VAPOR DENSITY (AIR=1): < 4.5

EVAPORATION RATE:

SOLUBILITY IN WATER: PARTIAL

(BUTYL ACETATE = 1): < 1

APPEARANCE AND ODOR: CLEAR LIQUID WITH ETHER ODOR

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 160 DEG. F

FLAMMABLE LIMITS: LET: N/A

UEL: N/A

EXTINGUISHING MEDIA: WATER FOG, CO₂, UNIVERSAL FOAMS.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN

REACTIVITY DATA

STABILITY: YES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: SEE BELOW

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INCOMPATIBILITY (MATERIALS TO AVOID): TESTS SHOULD BE PERFORMED ON PLASTICS TO ASSURE NO NEGATIVE REACTIONS..STRONG OXIDIZING AGENT.
HAZARDOUS DECOMPOSITION OR PRODUCTS: NONE KNOWN.

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? YES SKIN? NO INGESTION? YES

HEALTH HAZARDS (ACUTE & CHRONIC): BASED ON AVAILABLE TOXICOLOGY FOR THIS PRODUCT, NO ACUTE OR CHRONIC REACTION IS ANTICIPATED. CONTAINS A CHEMICAL KNOWN TO CAUSE CANCER, BIRTH DEFETS OR REPRODUCTIVE HARM.

CARCINOGENITY: PARTIAL NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

SIGNS AND SYMTOMS OF EXPOSURE: NAUSEA, DIZZINESS, SKIN OR RESPIRATORY IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.
EYES: HOLD EYELIDS OPEN AND FLUSH WITH PLENTY OF WATER.
INGESTION: DRINK PLENTY OF WATER AND GET MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR AND GET MEDICAL ATTENTION.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: ELIMINATE ANY SOURCE OF FLAME OR HIGH HEAT. SOAK UP USING VERMICULITE, OR OTHER ABSORBENT MATERIAL AND TRANSFER INTO AN APPROPRIATE HOLDING CONTAINER.

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

PRECAUTIONS FOR STORAGE AND HANDLING: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATION AND INHALING VAPOR CONTENTS CAN BE HARMFUL.

CONTROL MEASURES

RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR IF LIMITS ARE EXCEEDED.

VENTILATION: LOCAL EXHAUST: YES

MECHANICAL (GENERAL): YES

SPECIAL: NONE

OTHER: NONE

PROTECTIVE GLOVES: POLYFLUORINATED OR POLYVINYL ALCOHOL OR VITON.
EYE PROTECTION: SAFETY GOGGLES OR FACE SHIELD.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PLASTIC OR RUBBER APRON.
WORK/HYGIENIC PRACTICES: WASH HANDS AFTER USE.

DISCLAIMER

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