

NDT-STD NUC-PENETRANT (AEROSOL)

MATERIAL SAFETY DATA SHEET

01/11/00

MSDS PROVIDED BY:

STOODY INDUSTRIAL AND WELDING SUPPLY, INC.

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MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061

VERSION DATE 01/03/96 (REPRODUCED SIWS)

NDT-STD NUC-PENETRANT (AEROSOL)

SECTION 1**PRODUCT IDENTIFICATION**

COMPANY NAME WHO PROVIDED MSDS..... HARRIS WELCO. DIV. OF J.W. HARRIS CO., INC.
COMPANY ADDRESS..... 1051 YORK RD
KINGS MOUNTAIN, NC 28086
EMERGENCY PHONE NUMBER..... (800)-424-9300
MSDS VERSION NUMBER..... 2
TRADE NAME..... NDT-STD NUC-PENETRANT (AEROSOL)

HAZARD RATING (HMIS)..... HEALTH - 1
FLAMMABILITY - 4
REACTIVITY - 0
OTHER - 0

HMIS DESIGNATED KEY..... 4-SEVERE HAZARD
3-SERIOUS HAZARD
2-MODERATE HAZARD
1-SLIGHT HAZARD
0-MINIMAL HAZARD

SECTION 2**HAZARDOUS COMPONENTS**

<u>MATERIAL</u>	<u>% BY WEIGHT</u>	<u>CAS NUMBER</u>	<u>ACGIH TLV (Mg/M3)</u>	<u>SEC 313</u>
KEROSENE	80 - 90%	8008-20-6	400PPM	NO
PROPANE/ISOBUTANE/N-BUTANE	10 - 20%	74-98-6	1000PPM	NO

*SEE ATTACHED SHEET FOR SARA TITLE III

SECTION 3**PHYSICAL PROPERTIES**

BOILING POINT..... -42.1F TO 350F
MELTING POINT..... NA
VAPOR PRESSURE..... NA
VAPOR DENSITY (AIR=1)..... 4.0
SOLUBILITY IN WATER..... NEGATIVE
SPECIFIC GRAVITY..... (H2O=1) .8
EVAPORATION RATE..... < 1 (BUTYL ACETATE =1)
APPEARANCE AND ODOR..... RED/SOLVENT ODOR

SECTION 4**FIRE AND PXPLOSION DATA**

FLASH POINT..... -156F (TCC) % BY VOLUME: LEL. 2.3, VEL. 9.5
EXRINGUISHING MEDIA..... USE WATER FOG, CO2, OR DRY CHEMICAL
SPECIAL PROCEDURES..... TREAT AS CLASS B FIRE
UNUSUAL HAZARDS..... HEATED CANS MAY BURST.

SECTION 5**REACTIVITY DATA**

STABILITY..... STABLE
CONDITIONS TO AVOID..... OPEN FLAMES AND ELCETRICAL ARCS. HIGH TEMPERATURES.
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR
INCOMPATIBILITY..... AVOID STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS..... IN FIRE WILL DECOMPOSE AND MAY YIELD CARBON MONOXIDE.

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HEALTH HAZARD DATA

ROUTES OF ENTRY	INHALATION, SKIN, INGESTION.
HEALTH HAZARDS	MAY CAUSE DIZZINESS OR NARCOSIS IN HIGH VAPOR CONCENTRATIONS. WILL CAUSE DEFATTING OF THE SKIN. PROLONGED CONTACT MAY CAUSE DRYING AND DEFATTING. EFFECTS ARE REVERSIBLE. LONG TERM EXPOSURE (YEARS) TO HIGH CONCENTRATIONS OF VAPOR MAY CAUSE LUNG, LIVER, OR KIDNEY DAMAGE. THE SOLVENTS LISTED HAVE BEEN REPORTED TO AFFECT THE CENTRAL NERVOUS SYSTEM.
CARCINOGENICITY	PRESENTLY NOT ON ANY LIST; NTP - NA, IARC MONOGRAPHS – NA, OSHA – NA.
SIGNS & SYMPTOMS OF EXPOSURE	MAY CAUSE IRRITATION TO SKIN AND EYES, INGESTION-VOMITING, INHALATION - DIZZINESS.
MEDICAL CONDITIONS FROM EXPOSURE	SEE ABOVE
EMERGENCY & FIRST AID.....	EYES - FLUSH EYES WITH WATER FOR 15 MINUTES. SKIN - WASH WITH SOAP AND WATER. INHALATION - REMOVE TO FRESH AIR. CALL PHYSICIAN. INGESTION – DRINK WATER, NEVER INDUCE VOMITING, GIVE OXYGEN. GASTRIC LAVAGE - GIVE OXYGEN.
ADDITIONAL INFORMATION	NA

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES.....	VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP WITH INERT MATERIALS.
WASTE AND DISPOSAL METHOD.....	PACKAGE IN DRUMS OR SAFE CONTAINERS. DISPOSE OF IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL REGULATIONS.
HANDLING AND STORING PRECAUTIONS	KEEP AWAY FROM HEAT, SPARKS, OR OPEN FLAMES. STORE AT TEMPERATURES BELOW 120F.
OTHER PRECAUTIONS.....	WHEN SPRAYING MORE THAN ONE HALF CAN CONTINUOUSLY OR MORE THAN ONE CAN CONSECUTIVELY, USE NIOSH RESPIRATOR.

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES	SHOULD BE IN ACCORDANCE WITH 29 CFR 1910, 134.
VENTILATION	LOCAL EXHAUST. NO OTHER REQUIRED.
PROTECTIVE GLOVES.....	YES, NEOPRENE.
EYE PROTECTION.....	YES.
OTHER PROTECTIVE EQUIPMENT	SEE 29CFR 1910, 132 & 133.
WORK/HYGIENIC PRACTICES	DO NOT SMOKE WHILE USING. WASH SKIN WITH SOAP AND WATER. FOR MAXIMUM SAFETY: BE CERTIFIED FOR AND WEAR A RESPIRATOR AT ALL TIMES WHEN WELDING AND OR BRAZING.

SECTION 9

DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WELCO MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE.

SECTION 10

ADDITIONAL INFORMATION

NA = NOT APPLICABLE.
JERSEY RIGHT TO KNOW INFORMATION:
KEROSENE CAS# 8008-20-6
PROPANE/ISOBUTANE/N-BUTANE CAS# 74-98-6
SARA TITLE III NOTIFICATION INFORMATION: "ALL CHEMICAL COMPOUNDS MARKED WITH AN ASTERISK (*) ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372. YOU MUST NOTIFY EACH PERSON TO WHOM THIS MIXTURE OR TRADE IS SOLD. THIS STATEMENT MUST REMAIN A PART OF THIS MSDS. ANY COPY OR REDISTRIBUTION OF THIS MSDS SHALL INCLUDE THIS STATEMENT.