

NDT-NUC-CLEANER (AEROSOL)
MATERIAL SAFETY DATA SHEET

01/11/00

MSDS PROVIDED BY:
STOODY INDUSTRIAL AND WELDING SUPPLY, INC.
3316 National Ave., San Diego, Ca. 92113
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MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061

VERSION DATE 01/03/96 (REPRODUCED SIWS)

NDT-NUC-CLEANER (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-NUC-CLEANER (AREOSOL)

HAZARD RATING (HMIS) HEALTH - 1
 FLAMMABILITY - 4
 REACTIVITY - 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>
ISOPROPY_ALCOHOL	70 - 80%	67-63-0	400PPM	YES
LIQUIFIED PETROLEUM GAS	20 - 30%	68476-86-8	1000PPM	NA

SECTION 3

PHYSICAL PROPERTIES

BOILING POINT..... 78.8C
 MELTING POINT NA
 VAPOR PRESSURE AT 70F 45-50PSIG
 VAPOR DENSITY (AIR=1)..... > 1
 SOLUBILITY IN WATER..... SOLUBLE
 SPECIFIC GRAVITY..... <1
 EVAPORATION RATE..... < 1
 APPEARANCE AND ODOR..... COLORLESS MOBILE LIQUID, UNPLEASANT ODOR

SECTION 4

FIRE AND PXPLOSION DATA

FLASH POINT..... LESS THAN 20F (TCC)
 EXRINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL, OR FOAM.
 SPECIAL PROCEDURES..... PRESSURE-DEMAND, SELF-CONTAINED PROTECTION SHOULD BE PROVIDED FOR PROTECTION.
 UNUSUAL HAZARDS STORAGE CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER. AT HIGH TEMPERATURES, OVER-PRESSURIZATION OF CONTAINERS CAN RESULT.

SECTION 5

REACTIVITY DATA

STABILITY..... STABLE
 CONDITIONS TO AVOID..... OPEN FLAMES AND ELCETRICAL ARCS.
 HAZARDOUS POLYMERIZATION WILL NOT OCCUR
 INCOMPATIBILITY CONTACT WITH STRONG OXIDIZING AGENTS.
 HAZARDOUS DECOMPOSITION PRODUCTS..... CARBON DIOXIDE. CARBON MONOXIDE..

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HEALTH HAZARD DATA

ROUTES OF ENTRY	INHALATION, SKIN, INGESTION.
HEALTH HAZARDS	ACUTE-EXCESSIVE INHALATION AND INGESTION MAY PRODUCE SYMPTOMS OF LIGHT-HEADEDNESS TO UNCONSCIOUSNESS TO DEATH, EXPOSURE OF SKIN AND EYES MAY PRODUCE IRRITATION, CHRONIC-HEADACHE, FATIGUE, NAUSEA, DEPRESSION AND VISUAL DISTURBANCE.
CARCINOGENICITY	NA
SIGNS & SYMPTOMS OF EXPOSURE	LIGHT-HEADEDNESS & NAUSEA.
MEDICAL CONDITIONS FROM EXPOSURE	IRRITATING TO THE EYES AND SKIN. GENERALLY AGGRAVATED BY EXPOSURE: PRE EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO IPA.
EMERGENCY & FIRST AID.....	EYES - FLUSH EYES WITH WATER FOR 15 MINUTES. SKIN - WASH WITH SOAP AND WATER. INGESTION - DRINK WATER, INDUCE VOMITING. INHALATION - REMOVE TO FRESH AIR. CALL PHYSICIAN.
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.....	DISPOSE OF IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL REGULATIONS.
HANDLING AND STORING PRECAUTIONS	DO NOT PUNCTURE OR INCENERATE. EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS. FULL OR PARTIALLY FILLED CONTAINERS CONSIDERED HAZARDOUS WASTE. STORE AWAY FROM HEAT AND OPEN FLAMES.
OTHER PRECAUTIONS.....	NONE

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES	SHOULD BE IN ACCORDANCE WITH 29 CFR 1910, 134.
VENTILATION	LOCAL EXHAUST-SUFFICIENT TO MAINTAIN TLV. NONE OTHER NECESSARY
PROTECTIVE GLOVES.....	POLYFLUORINATED POLYETHYLENE SUGGESTED
EYE PROTECTION	FACE SHIELD AND GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE EQUIPMENT	SEE 29 CFR 1910, 132 & 133.
WORK/HYGIENIC PRACTICES	WASH SKIN WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING. 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.
JERSY RIGHT TO KNOW INFORMATION:
ISOPROPYL ALCOHOL CAS# 67-63-0
PROPANE CSA# 124 -38-9.
N-BUTANE CAS# 106-97-8
ISOBUTANE CAS# 75-28-5