

NDT-NUC-DEVELOPER (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-NUC-DEVELOPER (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-DEVELOPER (AEROSOL)

HAZARD RATING (HMIS) HEALTH – 0
FLAMMABILITY – 3
REACTIVITY – 2

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>
*METHYL ETHYL KETONE	60 - 70	78-93-3	200PPM	YES
*ZINC STEARATE	1 - 10	557-05-1	10mg/M3	YES
TALC	1 - 10	14807-96-6	2mg/M3	NA
PROPANE/ISOBUTANE/BUTANE	20 - 30	74-98-6	1000PPM	NA
*SEE ATTACHED SHEET FOR SARA TITLE III				

SECTION 3

PHYSICAL PROPERTIES

BOILING POINT..... 1.75 – 178F
MELTING POINT..... NA
VAPOR PRESSURE..... AT 70F 45 – 50PSIG
VAPOR DENSITY (AIR=1)..... 4.0
SOLUBILITY IN WATER..... NEGATIVE
SPECIFIC GRAVITY..... (H2O=1) 0.7
EVAPORATION RATE..... > 1 (BUTYL ACETATE =1)
APPEARANCE AND ODOR..... WHITE LIQUID / KEYTONE ODOR

SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT..... -123F (TCC)

EXTINGUISHING 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 ELECTRIC ARCS. HIGH TEMPERATURES.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

INCOMPATIBILITY STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS..... CARBON MONOXIDE, AND UNIDENTIFIED ORGANIC COMPOUNDS.

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SECTION 6**HEALTH HAZARD DATA**

ROUTES OF ENTRY	INHALATION, SKIN, INGESTION.
HEALTH HAZARDS	VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND THE RESPIRATORY TRACT. MILDLY IRRITATING TO EYES AND SKIN. LIQUID IS MODERATELY TOXIC AND MAY BE HARMFUL IF IT IS SWALLOWED.
CARCINOGENICITY	NOT CURRENTLY ON ANY LIST, (IARC, NTP, OSHA).
SIGNS & SYMPTOMS OF EXPOSURE	NOSE & THROAT IRRITANT. IRRITATING TO THE EYES AND THE SKIN.
MEDICAL CONDITIONS FROM EXPOSURE	GENERALLY AGGRAVATED BY EXPOSURE – PRE-EXISTING EYE, SKIN AND RESPIRATORY TRACT DISORDERS MAY BE AGGRAVATED BY THEIR EXPOSURE TO THIS PRODUCT.
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 THIS MATERIAL IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL REGULATIONS.
HANDLING AND STORING PRECAUTIONS	VENTILATE AREA. THE MATERIALS RESULTING FROM CLEAN-UP OPERATIONS MAY BE HAZARDOUS WASTES, AND THEREFORE SUBJECT TO LOCAL, STATE, AND FEDERAL REGULATIONS. LABEL ALL CONTAINERS. STORE CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA.
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.
PROTECTIVE GLOVES.....	POLYFLUORINATED POLYETHYLENE SUGGESTED..
EYE PROTECTION	FACE SHIELD AND GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE EQUIPMENT	SEE 29CFR 1910, 132 & 133.
WORK/HYGIENIC PRACTICES	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.

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 SARA OF 1986 AND 40 CFR PART 372. YOU MUST NOTIFY EACH PERSON TO WHOM THIS MIXTURE OR TRADE NAME PRODUCT IS SOLD. THIS STATEMENT MUST REMAIN A PART OF THIS MSDS. THIS STATEMENT MUST NOT BE DETACHED. ANY COPY OR REDISTRIBUTION OF THIS MSDS SHALL INCLUDE THIS STATEMENT.

JERSEY RIGHT TO KNOW INFORMATION:

METHYLETHYL KETONE	CAS# 78-93-3	ISOBUTANE	CAS# 75-28-5
PROPANE/ISOBUTANE/N-BUTANE	CAS# 74-98-6	TALC	CAS# 14807-96-6
N-BUTANE	CAS# 106-97-8		