

**NDT-STD DEVELOPER (AEROSOL)**  
**MATERIAL SAFETY DATA SHEET**

01/11/00

MSDS PROVIDED BY:  
**STOODY INDUSTRIAL AND WELDING SUPPLY, INC.**  
3316 National Ave., San Diego, Ca. 92113  
Phone: (619) 234-6750  
**MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061**

VERSION DATE 01/03/96 (REPRODUCED SIWS)

**NDT-STD 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 (800)-424-9300 2
EMERGENCY PHONE NUMBER.....	NDT-STD DEVELOPER (AEROSOL)
MSDS VERSION NUMBER.....	HEALTH - 3
TRADE NAME.....	FLAMMABILITY - 4
HAZARD RATING (HMIS).....	REACTIVITY - 1 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>
*METHYLENE CHLORIDE	80 - 90	75-09-2	50PPM	YES
*ZINCSTEARATE	1 - 10	557-05-1	10mg/M3	YES
TALC	1 - 10	14807-96-6	2mg/M3	YES
PROPANE/ISOBUTANE/N-BUTANE	1 - 10	74-98-6	1000PPM	NO

**SECTION 3**

**PHYSICAL PROPERTIES**

BOILING POINT.....	-42.1F TO 104F
MELTING POINT.....	NA
VAPOR PRESSURE.....	46PSIG
VAPOR DENSITY (AIR=1).....	4.0
SOLUBILITY IN WATER.....	NEGATIVE
SPECIFIC GRAVITY.....	< 1
EVAPORATION RATE.....	> 1 (BUTYL ACETATE =1)
APPEARANCE AND ODOR.....	WHITE/ ETHERAL ODOR

**SECTION 4**

**FIRE AND PXPLOSION DATA**

FLASH POINT.....	-156F (TCC) FLAMMABLE LIMIOTS LEL 2.3 VEL 9.5 IN AIR
EXRINGUISHING MEDIA.....	USE WATER FOG, CO2, OR DRY CHEMICAL.
SPECIAL PROCEDURES.....	FIRE FIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS TO AVOID POSSIBLE TRACES OF PHOSGENE DURING A 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.....	INCOMPATIBLE WITH STRONG OXIDIZERS AND ACTIVE METALS.
HAZARDOUS DECOMPOSITION PRODUCTS.....	HAZARDOUS DECOMPOSITION OR BY-PRODUCTS. IN FIRE, WILL DECOMPOSE TO WATER, CARBON DIOXIDE, HALOGEN ACIDS, AND PHOSGENE.

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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. ASPIRATION HAZARD IF SWALLOWED MAY IRRITATE RESPIRATORY TRACT.
CARCINOGENICITY .....	THE STATE OF CALIFORNIA REQUIRES THE FOLLOWING INFORMATION WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.
SIGNS & SYMPTOMS OF EXPOSURE .....	MAY CAUSE IRRITATION TO SKIN AND EYES. INGESTION -VOMITING, INHALATION – DIZZINESS AND HEADACHE.
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,
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 AND DISPOSE IN ACCORDANCE TO LOCAL, STATE, AND FEDERAL REGULATIONS.
WASTE AND DISPOSAL METHOD.....	AEROSOL CONTAINER –DO NOT PUNCTURE OR INCINERATE. EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL CHANNELS, FULL OR PARTIALLY FILLED CONTAINERS ARE HAZARDOUS WASTE.
HANDLING AND STORING PRECAUTIONS .....	DO NOT STORE IN DIRECT SUN LIGHT, NEAR OPEN FLAMES OR AT TEMPERATURES THAT EXCEED 120F DO NOT SMOKE.
OTHER PRECAUTIONS.....	INTENTIONAL MISUSE: BY INHALING CONCENTRATED VAPORS MAY BE FATAL. USE NIOSH APPROVED RESPIRATOR WHEN SPRAYING FOR PROLONGED PERIODS.

**SECTION 8**

**CONTROL MEASURES**

RESPIRATORY MEASURES .....	SHOULD BE IN ACCORDANCE WITH 29 CFR 1910, 134.
VENTILATION .....	LOCAL REQUIRED. NO OTHER REQUIRED.
PROTECTIVE GLOVES.....	YES, NEOPRENE.
EYE PROTECTION .....	YES, FACE SHIELD AND GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE EQUIPMENT .....	SEE 29CFR 1910, 132 & 133.
WORK/HYGIENIC PRACTICES .....	DO NOT SMOKE WHILE USING, AND OR FOLLOWING THE USE OF THIS PRODUCT. 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.**

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### SECTION 10

### ADDITIONAL INFORMATION

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NA = NOT APPLICABLE.

JERSY RIGHT TO KNOW INFORMATION:

METHYLENE CHLORIDE	CAS# 79-98-6	ZINC STHEARATHE	CAS# 557-05-1
N-BUTANE	CAS# 106-97-8	TALC	CAS# 14807-96-6
ISOBUTANE	CAS# 75-28-5		

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 362. 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. CARCINOGENIC INFORMATION: METHYLENE CHLORIDE IS REQUIRED BY OSHA TO BE CONSIDERED CARCINOGENIC.